



Industrial-Commercial Thermal Imagers



Professional Thermal Imagers

9898 Series new generation professional Thermal Imagers with powerful Auto Fusion mode(AUF), AUF is a dynamic image enhancement-algorithm for infrared cameras. 9898 Series are easy to help you to find the potential problems with innovation features and powerful Apps.



Short Wave High Temperature Thermal Imager

DB-740 Short wave thermal imager is high performance for 800-1100nm infrared image, which is for temperature measurement above 600°C. Short wave thermal imager is widely used for continuous inspection of High temperature industrial furnace, such as petrochemical industry, paper pulp & papermaking etc.



Advanced Thermal Imagers

988 Series new generation advanced Thermal Imagers are compact design with powerful Auto Fusion mode(AUF), AUF is a dynamic image enhancement-algorithm for infrared cameras. 988 Series are easy to help you to find the potential problems with innovation features and powerful Apps.



High Performance Thermal Imagers

980 series have power Auto Fusion (AUF) which is a dynamic image enhancement-algorithm for infrared cameras. 160 × 120 resolution at 50 Hz for real-time capture; Temperature range from -20°C to 650°C (-4°F to 1202°F), 32X continuous zoom, picture-in-picture, voice comment recording and text annotation on images. Hot/Cold spot marker automatically finds the hottest and coldest spots. It includes memory card, Lithium polymer battery & power supply, and USB cable. Wi-Fi connectivity allows the Infrared Thermal Camera to send images and data to mobile devices.



Industrial Thermal Imagers

979A series the Thermal Imager is designed for Non-contact detection and calculation of apparent surface temperature, fully radiometric imagers are ideal for troubleshooting electrical systems, electro-mechanical equipment, process equipment, HVAC/R equipment and others.



Compact Thermal Imagers

871/870/870L-8 Thermal Imagers are designed to make your work easier, more productive and effective. 80x80 resolution at 50Hz for real-time capture; Temperature range from -20°C to 380°C (-4°F to 716°F). Hot/Cold spot marker automatically finds the hottest and coldest spots. Lithium polymer battery & power supply, and USB cable. Bluetooth connectivity allows the Infrared Thermal Camera to send thermal pictures to mobile devices.



Smart Thermal Camera

- | | | |
|-------------|------------------------------------|---|
| T-10 series | Thermal image snap and record. | Show temperature data at real time. |
| | Point/Line/Area real-time analysis | History thermal image analysis |
| | Export PDF report | Real-time preview the results of 9 color palettes |
| | Share thermal image | |



Handheld Thermal Vision Monocular

T-70/71/72 Handheld Thermal Vision Monocular provide clear images with high IR resolution, easy access to new features such as video & image recording. WIFI connectivity offers video & image real-time share to smartphone/tablet.



Portable thermal camera

T-50F series
The 3.5" 320x240 touchscreen LCD offers Auto Fusion function to blend a visible image with an infrared image to more easily locate problems. It can scan the asset's QR code or barcode, help classifying the thermal images into predefined folders. with WiFi function, you can transfer realtime thermal video or images to the smart phone, easily analyse, report and share.

Thermal Imagers Selection Guide

	DT-870 Series	DT-890 Series	DT-980 Series	DT-988 Series	DT-9875 Series	DT-9898 Series
IR resolution	120x90	160x120	220x160	384x288	384x288	640x480
	80x80	120x90	160x120	256x192	160x120	384x288
Field of View (FOV)	21°x21°	36°x27°	17°x17°	24.6°x19.8°	24.6°x18.6°	28°x21°
Display	2" 240x320	2" 240x320	2.8" 240x320	3.5" 640x480	3.5" 320x240	3.5" 640x480
Object temperature range	-20 to 380°C	-20 to 450°C	-20 to 650°C	-20 to 650°C	-20 to 800°C	-20 to 150°C, 150 to 1500°C
Visible camera			5M	2M	0.3M	5M
WiFi connectivity			*	*		*
Bluetooth	*	*			*	
Video record			*	*	*	*
Features	Bluetooth Instant share	Bluetooth Instant share Long operate time	Auto fusion (AUF)	Auto fusion (AUF)	Touchscreen	Laser range finding function Autofocus Auto fusion (AUF) Touchscreen

Worldwide Patent:
PCT/CN2016/079015

**Big brilliant touch screen,clear view
from any angle under the sun**

IR resolution 640x480 (9898)
Auto fusion mode (AUF)
Laser distance meter function
WiFi connectivity

CE EMC
EN: 61326-1
EN: 61010-1



Professional Thermal Imagers

9898 Series new generation High Performance Thermal Imagers with powerful Auto Fusion mode(AUF). AUF is a dynamic image enhancement-algorithm for infrared cameras. 9898 Series are easy to help you to find the potential problems with innovation features and powerful Apps.

Key features

- 3.5" 640x480 Big brilliant touch screen,clear view from any angle under the sun
- 640x480 High Performance Thermal Imager with high resolution TFT color LCD display
- Built-in laser distance function
- Capture additional measurements fast and conveniently with wireless modules
- Find problems faster and easier with accurately identify potential issues by combining digital and IR images
- Picture in Picture function displays thermal image super-imposed over a digital image
- LED Flashlight allows the visual camera and fusion to be used in poorly lit environments
- ±2% Accuracy for reliable temperature measurement
- An easy-to-access thumbnail image gallery helps you to quickly review and find your thermal images.
- Powerful Auto Fusion mode(AUF)
- Equipped with standard video, USB outputs as well as a removable SD card.

Applications



Power Electronics



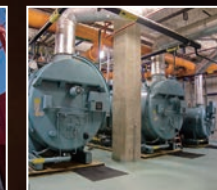
Plant/General Maintenance



HVAC/R



Transportation/Automotive



Cooling and Reheating



Food service Equipment



Model: 9898



Big brilliant touch screen, clear view from any angle under the sun



Transfer data in real time
Wi-Fi Connectivity/ Bluetooth Communication



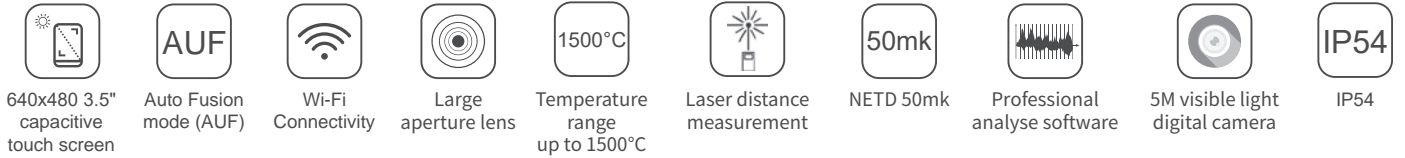
High range:
0°C to 650°C
(32 to 1202°F)
Extend to 1500°C
(2732°F) (optional)
Real-time ranging/
acreaage
Low range:
-20 to 150°C
(-4 to 302°F)

EMC
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Intelligent Face Detector with Temperature Screening

- Over 37.3°C automatic snap alarm
- 20ms rapid temperature measurement



Specifications	9895Y	9896/9896Y	9897/9897Y	9898	9899
Imaging and optical data					
IR resolution	Focal plane array (FPA), uncooled microbolometer				
Field of View (FOV)	17°x17°	17.3°x13°	17°x12.7°	28.3°x21.2°	20°x15°
Spatial resolution (IFOV)	3.77mrad	1.89mrad	0.77mrad	0.51mrad	0.51mrad
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK				
Image frequency	50Hz				
Focus	Manual				
Laser range finding function	0.05 to 30m(0.15ft to 98ft), Typically: ±2mm(±0.06in)				
Image presentation					
Display	3.5" 640x480TFT, capacitive touch screen				
Image modes	IR image, visual image, picture in picture, AUF, Distance				
Color palettes	IRON, Rainbow, Grey, Grey Inverted, Brown, Blue-red, hot-cold, Feather, Above alarm, Below alarm, Zone alarm, vision zone				
Measurement (Temp. screening mode for 9895Y/9896Y/9897Y)					
Object temperature range	Screening mode:32°C to 42°C(-89.6°F to +107.6°F)	*	-/*	-/*	*
	Low range: -20°C to +150°C (-4°F to +302°F) High range: 0°C to +650°C (+32°F to +1202°F) Extend to 1500°C (2732°F) (optional)	*	*	*	*
Accuracy	Screening mode:±0.5°C (±0.9°F)in 32°Cto42°C ±2°C (±3.6°F) or ±2% of reading in -20°C to 650°C	*	*	*	*
Screening temperature range	32°C~42°C	*	-/*	-/*	*
Temperature measurement accuracy	±0.5°C (32~42°C, Screening mode) ±2°C, Normal temperature measurement range	*	-/*	-/*	*
Blackbody	Blackbody correction support,±0.3°C (±0.54°F) accuracy	*	-/*	-/*	*
Measurement analysis					
Face tracking	Intelligent face tracking, detect 10 faces at the same time	*	-/*	-/*	*
Hot spot track	Hot spot track in face area and High temperature alarm	*	-/*	-/*	*
HDMI	Connect to TV through HDMI with video and alarm voice	*	-/*	-/*	*
Emissivity adjustable	0.01~1.0 Adjustable	*	*	*	*
Automatic hot /cold detection	Auto hot or cold spotmeter marks line analyse,area analyse	*	*	*	*
Set-up					
Laser / floodlight	< class2 / white LED floodlight	*	*	*	*
Language selection	English, Chinese, French, German, Spanish, Japanese, Korean, Portuguese, Italian	*	*	*	*
Storage of videos/images					
Storage media	8Gbytes Micro SD card	*	*	*	*
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes	*	*	*	*
Digital camera					
Built-in visible light digital camera	5M Pixels	*	*	*	*
Data communication interfaces					
USB interfaces	USB-micro, data transform between camera and PC	*	*	*	*
	remote control, live video	*	*	*	*
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video	*	*	*	*
Power system					
Battery	Lithium polymer battery, 4 hours operating time	*	*	*	*
Input voltage	DC 5V	*	*	*	*
Charging system	AC adapter	*	*	*	*

Size(HxWxD): 268mm x 100mm x 125mm Weight: 820g

Accessories: Carrying case, 7.5mm lens, Sun Visor, Tripod base, AC charger/Power supply, Battery, software CD-ROM, Handstrap, micro SD card, USB cable, Gift box.

Temperature range from 600°C to 2000°C

Wide dynamic CMOS sensor

Little radiometric effect for Short wave detector

Remote control by local network

Normal image processing software

Thermal imaging through the glass or quartz windows

Applications

- Chemical Process Detection
- Metal-making Process Detection
- Glass-making Process Detection
- Paper-making Process Detection
- Thermal imager inspection for High temperature industrial furnace
- Impurity detection for molten metal
- Fire protection & Forest fire prevention
- Rocket tracking

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DB-740 Short wave thermal imager is high performance for 800-1100nm infrared image, which is for temperature measurement above 600°C . Short wave thermal imager is widely used for continuous inspection of High temperature industrial furnace, such as petrochemical industry, paper pulp & papermaking etc.

Features

- High resolution 640x512 pixels
- Wide Temperature Range from 600 to 2000°C targeting electrical and industrial applications
- ±2% Accuracy for reliable temperature measurement
- Thermal imaging through the glass or other transparent medium
- HDMI output
- Capacitive touch screen is easier, productive and effective to operate it
- Lithium polymer Rechargeable Battery lasts >4hrs continuous use; replaceable
- High performance with built-in Linux system

Specifications

Imaging and Optical Data	
Field of view (FOV) / Minimum focus distance	22°x 17.6°
Spatial resolution (IFOV)	0.6mrad
Thermal sensitivity/NETD	< 1°C @ +600°C
Image frequency	30Hz
Focus mode	Fixed
Focal length	25mm
Focal Plane Array (FPA)/ Spectral range	Wide Dynamic Range CMOS / 0.8-1.1 μm
IR resolution	640 × 512 pixels
Image presentation	
Display	Capacitive Touch screen, 3.5 in. LCD, 640 × 480 pixels
Image modes	IR image
Color palettes	IRON, Rainbow, Grey, GreyInverted, Sepia, Blue_Red, Hot_Cold, Humidity
Measurement	
Object temperature range	600°C to 2000°C (1112°F to +3632°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
Measurement Analysis	
Spotmeter	3
Line	2 lines(horizontal and vertical)
Area	3 boxes with max. /min. /average
Automatic hot /cold detection	Auto hot or cold spotmeter markers
Emissivity correction	Variable from 0.01 to 1.0
Measurement corrections	Emissivity, ambient temperature, distance, relative humidity, offset temperature
Storage of videos	
Storage media	4Gbytes Micro SD card
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card >60 minutes
Video storage mode	IR/visual images; simultaneous storage of IR and visual images
Storage of images	
Image storage format	Standard JPEG, including measurement data, on memory card >1000 pictures
Image storage mode	IR images
Set-up	
Set-up commands	Local adaptation of units, language, date and time formats, information of camera
Languages	multinational
Data communication interfaces	
Interfaces	USB-mini, audio, HDMI video, Micro SD slot
USB	Data transform between camera and PC
Video out	HDMI
Power system	
Battery	lithium polymer battery, 4.5 hours operating time
Input voltage	DC 9V to 12V
Charging system	In camera (AC adapter)
Power management	Automatic shutdown and sleep mode (user selectable)

Size(HxWxD): 243mm x 103mm x 160mm

Weight: 920g

Accessories: Lens, Battery, software, USB cable, Gift box.



Model: 740





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Model: 9885

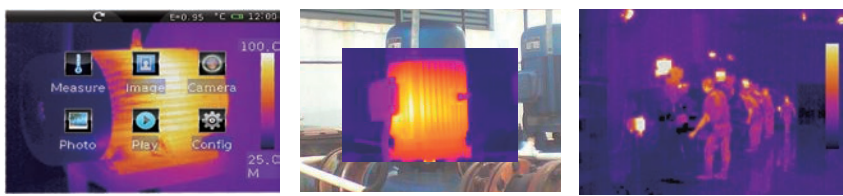
The Thermal Imager is designed for Non-contact detection and calculation of apparent surface temperature, and the thermal image creation is based on the temperature variation. Imager Thermometers provide fast and accurate readings for most surface temperature measurements with TFT color LCD display & Imager Video format. Built for tough work environments, these high-performance, fully radiometric imagers are ideal for troubleshooting electrical systems, electro-mechanical equipment, process equipment, HVAC/R equipment and others.

9875Y/9885Y, the measurement accuracy can reach ±0.5°C in the screening mode, the temperature screening range is 35°C~42°C, the system will automatically sound and color alarm when the surface temperature of the measured object reaches 37.3°C

Deploying this product in public places can automatically achieve temperature measurement for long distances, large areas, and large passenger flows.

Key features

- 384x288 High Performance & high resolution Thermal Imager with TFT color LCD display (9885/9887)
- 160x120 High Performance Thermal Imager with high resolution TFT color LCD display (9873 Series)
- Professional IR-optical focus system ensures that images are in good focus for optimum image clarity and scanning convenience.
- Capture additional measurements fast and conveniently with wireless modules (9887 only)
- Meterbox analysis system—quickly identify and keep track of inspection locations by adding digital images of important information and surrounding areas
- Find problems faster and easier with accurately identify potential issues by combining digital and IR images
- Picture in Picture function Displays thermal image super-imposed over a digital image
- LED Flashlight allows the visual camera and fusion to be used in poorly lit environments
- Wide Temperature Range from -20 to +400°C targeting electrical and industrial applications
- ±2% Accuracy for reliable temperature measurement
- The image rotation has the ability to automatically rotate the active image
- Audio recorded with the video image acts a speaker to listen to audio recorded with the video image
- Capacitive touch screen is easier, productive and effective to operate it
- Lithium polymer Rechargeable Battery lasts >4hrs continuous use; replaceable
- An easy-to-access thumbnail image gallery helps you to quickly review and find your thermal images.
- Area (Min/Max) mode shows the Minimum or the Maximum Temperature reading in the selected area
- A conveniently located button activates the laser pointer that will help you associate the hot or cold spot in the thermal image with the real physical target in the field.
- In order to adapt the device to every situation, both wide angle and tele-lenses are available.
- Equipped with standard video, USB outputs as well as a removable SD card.
- The IR video can be streamed to a PC via USB or wifi (DT-9887 only).



Full Infrared Picture-in-Picture Color Alarm



Full visible light Meterbox IRTP



Wi-Fi

Wi-Fi Connectivity/
Bluetooth Communication

Model: 9875



11mm Lens
RL-11
38mm Lens
RL-38 22mm Lens
RL-22

Thermal Imager with Rapid Surface Temperature Screening

- 37.3°C high temperature automatic alarm prompt
- 50Hz Image frame rate
- Infrared lens Resolution: 384x288 pixels (9885Y)



Specifications	9871	9873B	9873	9875/9875Y	9877	9885/9885Y
Imaging and optical data						
IR resolution	160x120pixels, focal plane array (FPA), uncooled microbolometer	80x80	*	*	*	384x288
Field of View (FOV)	29.8° × 22.6°	17°x17°	*	*	*	24.6°x 18.6°
Minimum focus distance	0.2m (0.66ft.)	0.3m (0.99ft.)	*	*	*	*
Spatial resolution	(IFOV) 3.33 mrad	3.78mrad	*	*	*	2.28 mrad
Thermal sensitivity/NETD	< 0.08°C @ +30°C (+86°F) / 80 mK	< 0.1°C	*	*	*	*
Image frequency	50Hz	*	*	*	*	*
Focus	Manual	*	*	*	*	*
Zoom	1-20x continuous, digital zoom	*	*	*	*	32x
Rotate	0-360°, continuous change by 1°	*	*	*	*	*
Image presentation						
Display	3.5" TFT , capacitive touch screen	*	*	*	*	*
Image modes	IR image, visual image, picture in picture	IR image only		*	*	*
Picture in Picture	IR area on visual image or visual image area on IR	None		*	*	*
Color palettes	GRAY/GRAY IRON/IRON/RAINBOW/FEATHER	*	*	*	*	*
Measurement (Temp. screening mode for 9875Y/9885Y)						
Object temperature range	Low range: -20°C to +150°C (-4°F to +302°F) High range: 0°C to +400°C (+32°F to +752°F)	*	*	*	*	*
Accuracy	±2°C (±3.6°F) or ±2% of reading	*	*	*	*	*
Screening temperature range	32°C~42°C			-/*		-/*
Temperature measurement accuracy	±0.5°C			-/*		-/*
Test area	1 meter distance: 44cmx33cm 2 meters distance: 88cmx66cm			-/*		-/*
Full-field high-temperature tracking	Red diamond frame mark			-/*		-/*
High temperature alarm setting	Default 37.3°C			-/*		-/*
Measurement analysis						
Spotmeter	3	*	*	*	*	*
Emissivity adjustable	0.01~1.0 Adjustable	*	*	*	*	*
Emissivity table	Emissivity table of predefined materials	*	*	*	*	*
Line	2 lines(horizontal and vertical)	None		*	*	*
Area	3 boxes with max. /min. /average	None		*	*	*
Automatic hot /cold detection	Auto hot or cold spotmeter marks	*	*	*	*	*
Isotherm	Detect high/low temperature/interval	None		*	*	*
Measurement corrections	Emissivity, ambient temperature, distance, relative humidity, offset temperature	*	*	*	*	*
Set-up						
Laser / floodlight	< class2 / white LED floodlight	None		*	*	*
Set-up commands	Local adaptation of units, language, date and time formats, information of camera	*	*	*	*	*
Language selection	English, Chinese, French, German, Spanish	*	*	*	*	*
Storage of videos/images						
Storage media	4Gbytes Micro SD card	*	*	*	*	*
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes	*	*	*	*	*
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures	*	*	*	*	*
Storage mode	IR/visual images; simultaneous storage of IR and visual images	IR image only		*	*	*
Digital camera						
Built-in visible light digital camera	640x480 Pixels	None		*	*	*
Data communication interfaces						
USB interfaces	USB-mini, data transform between camera and PC remote control, live video	*	*	*	*	*
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video	None		*	*	*
Video out	Composite(PAL and NTSC)	*	*	*	*	*
Power system						
Battery	Lithium polymer battery, 4 hours operating time	*	*	*	*	*
Input voltage	DC 9V to 12V	*	*	*	*	*
Charging system	In camera (AC adapter)	*	*	*	*	*
Power management	Automatic shutdown and sleep mode (user selectable)	*	*	*	*	*
Environmental data						
Encapsulation	IP65	*	*	*	*	*
Drop test	2m	*	*	*	*	*

Size(HxWxD): 243mm x 103mm x 160mm **Weight:** 920g
Accessories: Hard transport case, 22mm lens, Sun Visor, Tripod base, AC charger/Power supply, Battery, Camera lens cap, software CD-ROM, Handstrap, micro SD card, USB cable & RCA cable, Gift box.



EMC
EN: 61326-1
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640x480 big brilliant touch screen
Compact design IR resolution 384x288 (988A)
Wi-Fi connectivity



Key features

- 384x288 High Performance Thermal Imager with high resolution TFT color LCD display (9887)
- 3.5" 640x480 big brilliant touch screen, a clear view from any angle.
- Capture additional measurements fast and conveniently with wireless modules
- Find problems faster and easier with accurately identify potential issues by combining digital and IR images
- Image fusion function displays thermal image super-imposed over a digital image
- An easy-to-access thumbnail image gallery helps you to quickly review and find your thermal images.
- Powerful Auto Fusion mode(AUF)
- Equipped with standard video, USB outputs as well as a removable SD card.

988 Series new generation advanced Thermal Imagers are compact design with powerful Auto Fusion mode(AUF), AUF is a dynamic image enhancement-algorithm for infrared cameras. 988 Series are easy to help you to find the potential problems with innovation features and powerful Apps.

 640x480 3.5" capacitive touch screen	 Auto Fusion mode (AUF)	 Wi-Fi Connectivity
 650°C temperature range	 2M visible light digital camera	 IP54



Specifications		987	988	9886	9887
Imaging and optical data					
IR resolution	Focal plane array (FPA), uncooled microbolometer	160x120	160x120	256x192	384x288
Field of View (FOV)	29.8° × 22.6°	21°x15.6°	20.7°x15.6°	40.2°x30.1°	41.5°x31.1°
Spatial resolution (IFOV)		2.26mrad	1.88mrad	2.74mrad	1.89mrad
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK	*	*	*	*
Image frequency	50Hz	25Hz	*	*	*
Focus	Manual	*	*	*	*
Image presentation					
Display	3.5" 640x480 touch screen	*	*	*	*
Image modes	IR image, visual image, picture in picture, AUF	*	*	*	*
Color palettes	IRON, Rainbow, Grey, Grey Inverted, Brown, Blue-red, hot-cold, Feather	*	*	*	*
Measurement					
Object temperature range	Low range: -20°C to +150°C (-4°F to +302°F) High range: 0°C to +650°C (+32°F to +1202°F) 0°C to +450°C (+32°F to +842°F)	*	*	*	*
Accuracy	±2°C (±3.6°F) or ±2% of reading	*	*	*	*
Set-up					
Set-up commands	Local adaptation of units, language, date and time formats, information of camera	*	*	*	*
Language selection	English, Chinese, French, German, Spanish, Japanese, Korean, Portuguese, Italian	*	*	*	*
Storage of videos/images					
Storage media	4Gbytes eMMC or 8GB SD card	*	*	*	*
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes	*	*	*	*
Digital camera					
Built-in visible light digital camera	2M Pixels	*	*	*	*
Data communication interfaces					
USB interfaces	USB-micro, data transform between camera and PC Remote control, live video	*	*	*	*
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video	*	*	*	*
Power system					
Battery	Lithium polymer battery, 4 hours operating time	*	*	*	*
Input voltage	DC 5V	*	*	*	*
Charging system	In camera (AC adapter)	*	*	*	*

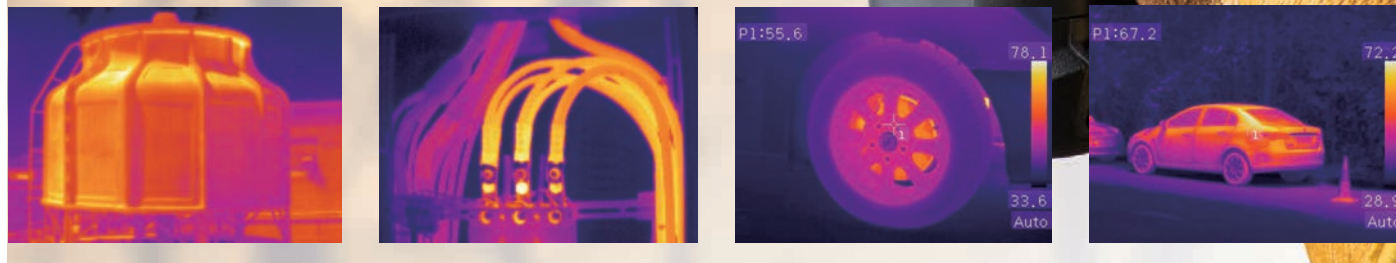
Size(HxWxD): 228mm x 100mm x 98mm Weight: 520g

Accessories: Hard transport case, 7.5mm lens, Tripod base, AC charger/Power supply, Battery, software CD-ROM, Handstrap, micro SD card, USB cable, Gift box.

High Performance Thermal Imagers



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EN: 61326-1
EN: 61010-1



Key features

- 320x240 High Performance Thermal Imager with high resolution TFT screen (986S)
- Smart design with big screen occupation ratio
- Capture additional measurements fastly and conveniently with wireless modules
- Find problems faster and easier and accurately identify potential issues by combining digital and IR images
- Image fusion function displays thermal image super-imposed over a digital image and easy-to-access thumbnail image gallery helps you to quickly review and find your thermal images.
- Powerful Auto Fusion mode(AUF)
- Equipped with standard video, USB outputs as well as a removable SD card.
- Realtime analyse and picture analyse function



Specifications		983	984	985A	986	986S
Imaging and optical data						
IR resolution	Focal plane array (FPA), uncooled microbolometer	80x80	120x90	256x192	220x160	320x240
Field of View (FOV)		21°x21°	50°x38°	40.4°x30.3°	36°x27°	36°x27°
Spatial resolution (IFOV)		4.53mrad	2.74mrad	5.48mrad	3mrad	3mrad
Thermal sensitivity/NETD	< 0.05°C @ +30°C(+86°F), < 0.1°C/100mK	*	*	*	*	*
Image frequency	9Hz	*	*	*	*	*
Focus	Focus free	*	*	*	*	*
Image presentation						
Display	3.5" 640x480 touch screen	*	*	*	*	*
Image modes	IR image, visual image, picture in picture, AUF	*	*	*	*	*
Color palettes	IRON, Rainbow, Grey, Grey Inverted, Brown, Blue-red, hot-cold, Feather	*	*	*	*	*
Measurement						
Object temperature range	-20°C to 330°C (-4°F to 302°F)	*	*	*	*	*
Accuracy	±5°C (±3.6°F) or ±3% of reading	±2°C or 2%	*	*	±5°C or 5%	±5°C or 5%
Measurement analysis						
Emissivity adjustable	0.01~1.0 Adjustable	*	*	*	*	*
Automatic hot /cold detection	Auto hot or cold spotmeter marks	*	*	*	*	*
Set-up						
Laser / floodlight	< class2 / white LED floodlight	*	*	*	*	*
Language selection	English, Chinese, French, German, Spanish, Japanese, Korean, Portuguese, Italian	*	*	*	*	*
Storage of videos/images						
Storage media	4Gbytes eMMC or 8GB SD card	*	*	*	*	*
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes	*	*	*	*	*
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures	*	*	*	*	*
Storage mode	IR/visual images; simultaneous storage of IR and visual images	*	*	*	*	*
Digital camera						
Built-in visible light digital camera	2M Pixels	*	*	*	*	*
Data communication interfaces						
USB interfaces	USB-micro, data transform between camera and PC Remote control, live video	*	*	*	*	*
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video	*	*	*	*	*
Power system						
Battery	Lithium polymer battery, 4 hours operating time	*	*	*	*	*
Input voltage	DC 5V	*	*	*	*	*
Charging system	In camera (AC adapter)	*	*	*	*	*
Power management	Automatic shutdown and sleep mode (user selectable)	*	*	*	*	*

Size(HxWxD): 228mm x 100mm x 90mm Weight: 520g
 Accessories: Hard transport case, 7.5mm lens, Tripod base, AC charger/Power supply, Battery, software CD-ROM, Handstrap, micro SD card, USB cable, Gift box.

The Thermal Imager is designed for Non-contact detection and calculation of apparent surface temperature, fully radiometric imagers are ideal for troubleshooting electrical systems, electro-mechanical equipment, process equipment, HVAC/R equipment and others.

Auto Fusion mode (AUF)
80x80 pixels, FPA, uncooled microbolometer
Annotate images with Voice
Picture in Picture
32X Continuous Zoom
5 Megapixels Digital camera

HDMI High resolution video output
Built-in 100M Memory for 80 pictures or one minute video record
Wi-Fi connectivity
Transfers images and data to mobile devices to share reports and critical information quickly



CE
EMC
EN: 61326-1
EN: 61010-1

Thermal Imagers Selection Guide

Model number	DT-982H	DT-982	DT-982RH	DT-980H	DT-980A	DT-980L-8	DT-980	DT-981	DT-981B
IR resolution	160x120	160x120	160x120	80x80	80x80	80x80	80x80	120x160	120x90
Field of View (FOV)	22.6° x 29.8°	22.6° x 29.8°	22.6° x 29.8°	17° x 17°	17° x 17°	8° x 8°	17° x 17°	20.7° x 15.6°	50° x 38°
IIFOV	3.33mrad	3.33mrad	3.33mrad	3.77mrad	3.77mrad	1.79mrad	3.77mrad	2.26mrad	5.48mrad
Display	2.8" 240x320								
Object temperature range	-20~650°C	-20~350°C	-20~350°C	-20~650°C				-20~350°C	
Visible camera	5M (IR fusion, AUF)							2M (IR fusion, AUF)	
WiFi					*			*	*
Video record	*	*	*	*	*	*	*	*	*
Probe air Temp. & %RH			*						

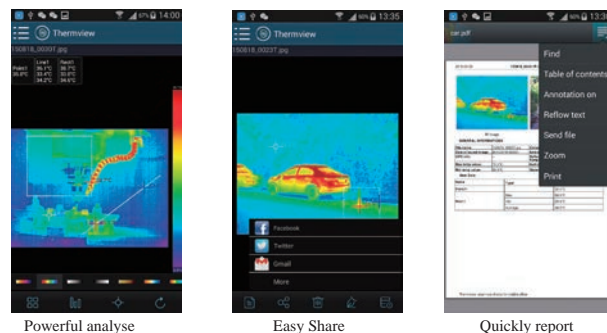
980 (80x80), 982 (160x120) Thermal Imagers are designed to make your work easier, more productive and effective. 980 series have power auto fusion mode which is a dynamic image enhancement-algorithm for infrared cameras. 160 x 120 resolution at 50 Hz for real-time capture; Temperature range from -20°C to 650°C (-4°F to 1202°F), 32X continuous zoom, picture-in-picture, voice comment recording and text annotation on images. Hot/Cold spot marker automatically finds the hottest and coldest spots. It includes memory card, Lithium polymer battery & power supply, and USB cable. Wi-Fi connectivity allows the Infrared Thermal Camera to send images and data to mobile devices.



Auto Fusion mode (AUF)
Realtime Wi-Fi analyse



Model: 982



Powerful analyse Easy Share Quickly report



Auto Fusion mode (AUF) A dynamic image enhancement-algorithm for infrared cameras Full Infrared Picture-in-Picture



32X continuous Zoom 5 Megapixels Digital camera iOS and Android APP support



High temperature color alarm prompt
If the temperature exceeds 37.3°C, a yellow high temperature prompt will appear on the device screen



Model 980Y

Product characteristics

High Resolution IR Images	19,200 pixels (160x120) Infrared resolution(982)
Visible Light Digital Camera	5 Megapixels Digital camera resolution with flash provides sharp images regardless of lighting conditions
Picture in Picture	Displays thermal image super-imposed over a digital image
LED Flashlight	Allows the visual camera and fusion to be used in poorly lit environments
Wide Temperature Range	From -20 to +650°C targeting electrical and industrial applications
±2% Accuracy	Reliable temperature measurement
Thumbnail view	Easy to view and analyze images quickly
Audio recorded with the video image	A speaker to listen to audio recorded with the video image
Li-Ion Rechargeable Battery	>4hrs continuous use; replaceable
HDMI	HDMI High resolution video output
Inside 100M Memory	About 80pictures or one minute video record
Copy to USB	Easy uploads images from camera to USB memory card
Area (Min/Max) Mode	Shows the Minimum or the Maximum Temperature reading in the selected area
Wi-Fi connectivity	Transfers images and data to mobile devices to share reports and critical information quickly (DT-980A/981B/981)
Auto Fusion mode	AUF is a dynamic image enhancement-algorithm for infrared cameras



Worldwide Patent:
PCT/CN2016/079015



Wi-Fi Connectivity

Model 980Y

Specifications	980B	980/980H/980Y	980A	980L-8	981B	981	982/982H/982Y
Imaging and optical data							
IR resolution	80x80 pixels	80x80 pixels	80x80 pixels	80x80 pixels	120x90 pixels	120x160 pixels	160x120 pixels
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8-14 μm						
Focal length	7.5mm	9mm	9mm	19mm	7.5mm	6.2mm	9mm
Field of View (FOV)	21x21°	17x17°	17x17°	8x8°	50x30.8°	20.7x15.6°	22.6x29.8°
Minimum focus distance	0.2m						
Spatial resolution	4.53mrad	3.77mrad	3.77mrad	1.78mrad	5.48mrad	2.26mrad	3.33mrad
Thermal sensitivity/NETD	< 0.08°C /80mK						
Image frequency	50Hz						
Focus	Manual						
Zoom	1-32x continuous, digital zoom						
Image presentation							
Image modes	IR image, visual image, picture in picture, AUF						
Picture in Picture	IR area on visual image						
Color palettes	IRON/Rainbow/Grey/Grey Inverted						
Measurement (Temp. screening mode for 980Y/982Y)							
Object temperature range	Screening mode: 32°C to 42°C(-89.6°F to 107.6°F) (980Y/982Y) -20 to 150°C (-4 to 302°F), 0 to 350°C (32 to 662°F), extended to -20 to 650°C (980H, 982H)						
Accuracy	Screening mode: ±0.5°C (±0.9°F) in 32°C to 42°C (980Y/982Y) ±2°C (±3.6°F) or ±2% of reading						
Screening temperature range	32-42°C (980Y/982Y)						
Temperature measurement accuracy	±0.5°C (980Y/982Y)						
Test area	1 meter distance: 44cmx33cm (980Y/982Y) 2 meters distance: 88cmx66cm (980Y/982Y)						
Full-field high-temperature tracking	Red crosshair mark (980Y/982Y)						
High temperature alarm setting	Default 37.3°C (980Y/982Y)						
Measurement analysis							
Spotmeter	Center Spot, Auto hot or cold markers						
Set-up							
Language selection	English, Chinese, French, German, Spanish						
Storage of videos/images							
Inside Memory / Storage media	100M bytes, 80pictures or one minute video record / 8G Micro SD card						
Video storage format	Standard MPEG-4, 1280x960@30fps, on memory card > 60 minutes						
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures						
Digital camera							
Built-in visible light digital camera	No	5Megapixels; 59°				5Megapixels; 59°	
Data communication interfaces							
Interfaces & Video output	USB-micro, audio, HDMI						
USB	Data & Live video transform between camera and PC or smartphone						
WIFI							
Live video between device and PC	No	No	Yes	No	Yes	Yes	No
Transfer images and data to mobile devices	No	No	Yes	No	Yes	Yes	No
Power system							
Battery / Input voltage / Laser	Li-ion battery, 4 hours operating time / DC 5V / < 1mW						

Size(HxWxD): 224mm x 77mm x 96mm Weight: 500g
Accessories: Lens, Earphone(Optional), Battery, software CD-ROM, Wrist strap, micro SD card, Adaptor, USB cable & HDMI cable (Optional), Gift box.

High Performance Thermal Imagers



EMC
EN: 61326-1
EN: 61010-1



240x320 2.8" LCD display



Auto Fusion mode (AUF)



400°C temperature range



2M visible light digital camera



IP54



EMC
EN: 61326-1
EN: 61010-1



Model 979A

Specifications	979A	979B	979C	979D	979E	979F
Imaging and Optical Data						
Field of View	21x 21°	50x38°	50x38°	50x38°	32x24°	50x38° 21x 21°
Spatial Resolution	4.53mrad	5.4mrad	5.4mrad	5.4mrad	*	1.79mrad 4.53mrad
NETD	<0.1°C@30°C(80°F)/100mK	*	*	*	*	*
Image Frequency	50Hz	9Hz	25Hz	9Hz	25Hz	25Hz 50Hz
Focus Mode	Focus free	*	*	*	*	*
Focal Plane Array(FPA) Spectral Range	Uncooled microbolometer/8-14um	*	*	*	*	*
IR Resolution		320x240	256x192	220x160	160x120	120x90 80x80
Image Presentation						
Display	2.8" TFT LCD, 240x320 pixels	*	*	*	*	*
Color Palettes	IRON, RainBow, Grey, GreyInverted, Brown, Blue-red, hot-cold, Feather	*	*	*	*	*
Measurement						
Object Temperature Range	-20°C to 400°C (-4°F to 752°F)	*	*	*	*	*
Accuracy	+/- 2°C(+/- 3.6°F) or +/-2% of reading	*	*	*	*	*
Measurement Analysis						
Spotmeter	Center Spot	*	*	*	*	*
Automatic Hot/Cold Detection	Auto hot or cold markers	*	*	*	*	*
Emissivity Correction	8 pre-define level and Variable from 0.01 to 1.0	*	*	*	*	*
Storage of Images		*	*	*	*	*
Image Storage format	Bitmap(BMP),including measurement data.	*	*	*	*	*
Data Communication Interfaces						
WiFi		*	*	*	*	*
Power System						
Battery	Li-ion battery, 4 hours operating time	*	*	*	*	*
Input Voltage	DC 5V	*	*	*	*	*
Charging System	In camera(AC adapter)	*	*	*	*	*
Power Management	Automatic shutdown	*	*	*	*	*
Environmental Data						
Operating Temperature Range	-20°C to 50°C (-4°F to 122°F)	*	*	*	*	*
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)	*	*	*	*	*
Humidity(operating and storage)	10% to 90%	*	*	*	*	*
Drop test	2m	*	*	*	*	*
Digitl camer	2M pixel	*	*	*	*	*

Size(HxWxD): 224mm x 72mm x 90mm Weight: 480g
Accessories: Lens, Earphone(Optional), Battery, software CD-ROM, Wrist strap, micro SD card, Adaptor, USB cable & HDMI cable (Optional), Gift box.

High Performance Thermal Imagers

890(80x80), 891 (120x90), 892(160x120) Thermal Imagers are designed to make your work easier, more productive and effective. 160x120 resolution at 50 Hz for real-time capture; Temperature range from -20°C to 450°C (-4°F to 842°F). Hot/Cold spot marker automatically finds the hottest and coldest spots. It includes memory card, Lithium polymer battery & power supply, and USB cable. Bluetooth connectivity allows the Infrared Thermal Camera to send data to mobile devices.



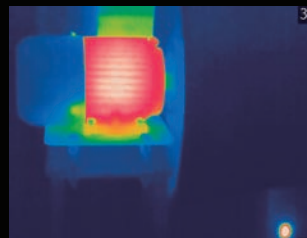
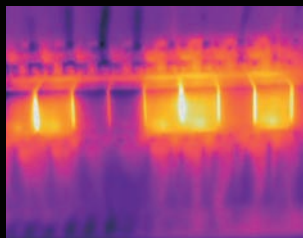
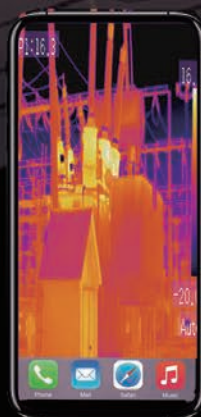
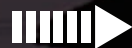
160x120

IR resolution

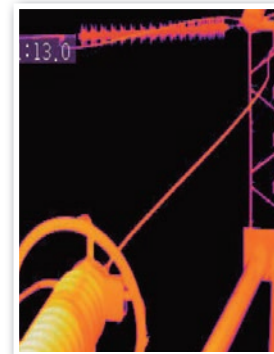
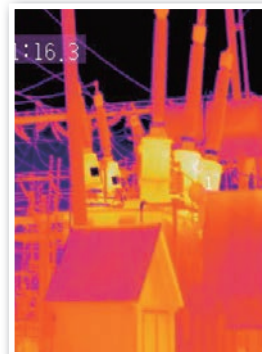
NETD

<0.1°C

Thermal sensitivity
<0.1°C (0.18°F) @ 30°C



890(80x80), 891(120x90), 892(160x120) Thermal Imagers are designed to make your work easier, more productive and effective. 160x120 resolution at 50Hz for real-time capture; Temperature range from -20°C to 450°C (-4°F to 842°F). Hot/Cold spot marker automatically finds the hottest and coldest spots. It includes memory card, Lithium polymer battery & power supply, and USB cable. Bluetooth connectivity allows the Infrared Thermal Camera to send data to mobile devices.



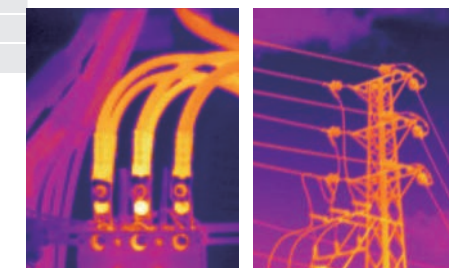
EMC
EN: 61326-1
EN: 61010-1



Model: 890



Model: 892



Specifications	890	891	892
Imaging and Optical Data			
Field of View	21x21	21x21	31x23
Spatial Resolution	4.53mrad	*	3.33mrad
NETD	<0.1°C@30°C(80°F)/100mK	*	*
Image Frequency	50Hz	25Hz	*
Focus Mode	Focus free	*	*
Focal Plane Array(FPA)/Spectral Range	Uncooled microbolometer/8-14um	*	*
IR Resolution	80x80	120x90	160x120
Image Presentation			
Display	2" TFT LCD, 240x320 pixels	*	*
Color Palettes	IRON	*	*
Measurement			
Object Temperature Range	-20°C to 450°C (-4°F to 842°F)	*	*
Accuracy	±2°C(±3.6°F) or ±2% of reading	*	*
Measurement Analysis			
Spotmeter	Center Spot	*	*
Automatic Hot/Cold Detection	Auto hot or cold markers	*	*
Emissivity Correction	8 pre-define level and Variable from 0.01 to 1.0	*	*
Storage of Images			
Storage Media	8 Gbytes Micro SD card	*	*
Image Storage format	Bitmap(BMP),including measurement data.	*	*
Data Communication Interfaces			
Interfaces	USB-micro, Data transform between camera and PC	*	*
Bluetooth		*	*
Power System			
Battery	Li-ion battery, 8 hours operating time	*	*
Input Voltage	DC 5V	*	*
Charging System	In camera(AC adapter)	*	*
Power Management	Automatic shutdown	*	*
Environmental Data			
Operating Temperature Range	-20°C to 50°C (-4°F to 122°F)	*	*
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)	*	*
Humidity(operating and storage)	10% to 90%	*	*
Drop test	2m	*	*

Size(HxWxD): 180mm x 58mm x 70mm
Weight: 480g

Accessories: Battery, software
CD-ROM, Wrist strap, micro SD card, Adaptor,
USB cable, Gift box.

High Performance Thermal Imagers

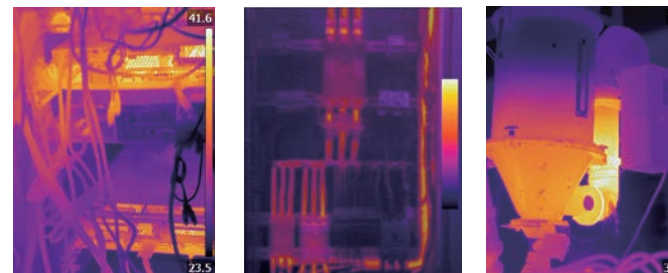
Key features

- 25Hz fast frame rate, fast capture temperature varies
- High temperature range, more application situation
- Simple operate, easy to use
- Smart design, Portable, Small and lightweight to carry with you anywhere
- Durable, withstand up to a 2m drop
- IP54 waterproof level
- Flashlight



876/875/874/873 Thermal Imagers are designed to make your work easier, more productive and effective. 80x80 resolution at 50Hz for real-time capture; Temperature range from -20°C to 400°C (-4°F to 752°F). Hot/Cold spot marker automatically finds the hottest and coldest spots. Lithium polymer battery & power supply, and USB cable. Bluetooth connectivity allows the Infrared Thermal Camera to send thermal pictures to mobile devices.

- 240x320 2.4" LCD display
- Auto Fusion mode (AUF)
- 400°C temperature range
- 2M visible light digital camera
- IP54



EMC
EN: 61326-1
EN: 61010-1



Model: 876

Specifications	876	875	874	873
Imaging and Optical Data				
Field of View	21x 21°	50x38°	32x24°	50x38°
Spatial Resolution	4.53mrad	5.4mrad	*	1.79mrad
NETD	<0.1°C@30°C(80°F)/100mK	*	*	*
Image Frequency	25Hz	*	*	*
Focus Mode	Focus free	*	*	*
Focal Plane Array(FPA)	Uncooled microbolometer/8-14um	*	*	*
Spectral Range				
IR Resolution		256x192	160x120	120x90
Visible camera	2M	*	*	80x80
Image Presentation				
Display	2.4" TFT LCD, 240x320 pixels	*	*	*
Color Palettes	IRON, RainBow, Grey, GreyInverted, Brown	*	*	*
Measurement				
Object Temperature Range	-20°C to 400°C (-4°F to 752°F)	*	*	*
Accuracy	±2°C (±3.6°F) or ±2% of reading	*	*	*
Measurement Analysis				
Spotmeter	Center Spot	*	*	*
Automatic Hot/Cold Detection	Auto hot or cold markers	*	*	*
Emissivity Correction	8 pre-define level and Variable from 0.01 to 1.0	*	*	*
Storage of Images		*	*	*
Image Storage format	Bitmap(BMP),including measurement data.	*	*	*
Data Communication Interfaces				
Bluetooth		*	*	*
Power System				
Battery	Li-ion battery, 4 hours operating time	*	*	*
Input Voltage	DC 5V	*	*	*
Charging System	In camera(AC adapter)	*	*	*
Power Management	Automatic shutdown	*	*	*
Environmental Data				
Operating Temperature Range	-20°C to 50°C (-4°F to 122°F)	*	*	*
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)	*	*	*
Humidity(operating and storage)	10% to 90%	*	*	*
Drop test	2m	*	*	*

Size(HxWxD): 175mm x 58mm x 70mm Weight: 450g
Accessories: Battery, APP software, Adaptor, Carrying case, USB cable, Gift box.

871/870/870L-8 Thermal Imagers are designed to make your work easier, more productive and effective. 80x80 resolution at 50Hz for real-time capture; Temperature range from -20°C to 380°C (-4°F to 716°F). Hot/Cold spot marker automatically finds the hottest and coldest spots. Lithium polymer battery & power supply, and USB cable. Bluetooth connectivity allows the Infrared Thermal Camera to send thermal pictures to mobile devices.

Key features

- 50Hz fast frame rate, fast capture temperature varies
- High temperature range, more application situation
- Simple operate, easy to use
- Smart design, Portable, Small and lightweight to carry with you anywhere
- Durable, withstand up to a 2m drop
- IP54 waterproof level
- Flashlight



CE
EMC
EN: 61326-1
EN: 61010-1

Model 870L-8



DT-870YS

Surface temperature rapid screening thermal imager

DT-870YS supports an external pad large screen, which can achieve simultaneous temperature measurement by multiple people in the public place when checking the fever personnel. Using the Thermalguard software pre-installed on the pad, you can directly read the measurement data, the number of people, and the number of rearing than 37.3°C on the big screen. In the screening mode, the measurement range is 32°C~42°C, and the measurement accuracy is ±0.5°C.



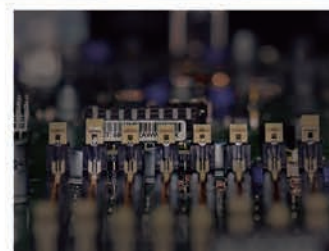
6400 true temperature measurement points



Cold spot hotspot automatic capture



Bluetooth transfer data in real time



Imported high quality sensors



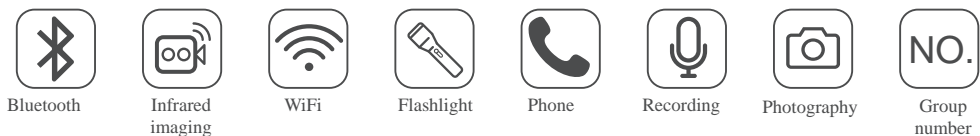
By locking the current on-site temperature range to obtain better image effects, It is more convenient to find the temperature problem of the measured object.



Specifications

		871	870	870Y	870YS	870L-8
Imaging and Optical Data						
Field of View	21x 21°	50x38°	*	*	*	8x8°
Spatial Resolution	4.53mrad	5.4mrad	*	*	*	1.79mrad
NETD	<0.1°C@30°C(80°F)/100mK	*	*	*	*	*
Image Frequency	50Hz	*	*	*	*	*
Focus Mode	Focus free	*	*	*	*	*
Focal Plane Array(FPA) Spectral Range	Uncooled microbolometer/8-14um	*	*	*	*	*
IR Resolution		120x90	80x80	80x80	80x80	80x80
Image Presentation						
Display	2" TFT LCD, 240x320 pixels	*	*	*	*	*
Color Palettes	IRON, RainBow, Grey, GreyInverted	*	*	*	*	*
Measurement (Temp. screening mode for 870Y/870YS)						
Object Temperature Range	-20°C to 380°C (-4°F to 716°F)	*	*	*	*	*
Accuracy	± 2°C(± 3.6°F) or ±2% of reading	*	*	*	*	*
Screening temperature range	32~42°C (-89.6°F to +107.6°F)			*	*	
Temperature measurement accuracy	±0.5°C			*	*	
Test area	1 meter distance: 35cmx35cm 2 meters distance: 70cmx70cm			*	*	
Full-field high-temperature tracking	Red crosshair mark			*	*	
High temperature alarm setting	Default 37.3°C			*	*	
high-temperature tracking	Red crosshair mark			*	*	
High temperature alarm tone				*	*	
Pad	10in display,8M visible camera,Android system					*
Face detection	5 face detection at the same time, hot spot track in face area and High temperature alarm					*
Face capture				*	*	
Measurement Analysis						
Spotmeter	Center Spot	*	*	*	*	*
Automatic Hot/Cold Detection	Auto hot or cold markers		*	*	*	*
Emissivity Correction	8 pre-define level and Variable from 0.01 to 1.0	*	*	*	*	*
Storage of Images		*	*	*	*	*
Image Storage format	Bitmap(BMP),including measurement data.		*	*	*	*
Data Communication Interfaces						
Bluetooth		*	*	*	*	*
Power System						
Battery	Li-ion battery, 4 hours operating time	*	*	*	*	*
Input Voltage	DC 5V	*	*	*	*	*
Charging System	In camera(AC adapter)	*	*	*	*	*
Power Management	Automatic shutdown	*	*	*	*	*
Environmental Data						
Operating Temperature Range	-20°C to 50°C (-4°F to 122°F)	*	*	*	*	*
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)	*	*	*	*	*
Humidity(operating and storage)	10% to 90%	*	*	*	*	*
Drop test	2m	*	*	*	*	*

Size(HxWxD): 175mm x 58mm x 70mm Weight: 450g
Accessories: Battery, APP software, Adaptor, Carrying case, USB cable, Gift box.

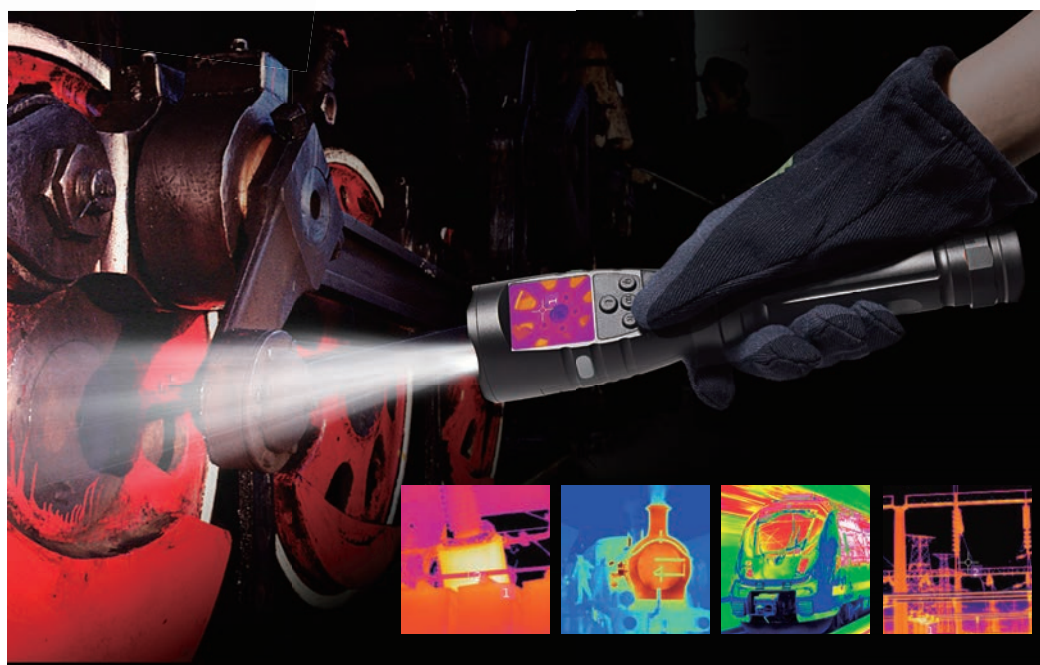
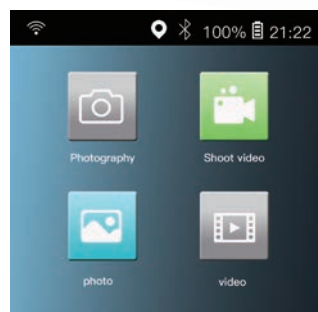


Flashlight with thermal imager, phone function, Bluetooth and WIFI to smartphone/tablet .



Specifications	
Imaging and optical data	
IR resolution	205x156 focal plane array (FPA), uncooled microbolometer
Field of View (FOV)	36°x27°
Spatial resolution	3mrad (IFOV)
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK
Image frequency	9Hz
Focus	Focus free
Image presentation	
Display	2.4" 320x240 TFT
Image modes	IR image, visual image, picture in picture, AUF
Color palettes	GRAY/GRAY IRON/IRON/RAINBOW/FEATHER
Measurement	
Object temperature range	-20°C to 330°C (-4°F to 302°F)
Accuracy	±5°C (±3.6°F) or ±3% of reading
Storage of videos/images	
Storage media	4Gbytes eMMC
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures
Storage mode	IR/visual images; simultaneous storage of IR and visual images
Digital camera	
Built-in visible light digital camera	2M Pixels
Data communication interfaces	
USB interfaces	USB-micro, data transform between camera and PC remote control, live video
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video

Size(HxWxD): 75 x75 x 258mm Weight: 547g
Accessories: Infrared camera with lens, CVBS cable, Gift box.



T-70/71/72 Handheld Thermal Vision Monocular provide clear images with high IR resolution, easy access to new features such as video & image recording. WIFI connectivity offer video & image real time share to smartphone/tablet .

Specifications	T-70	T-71	T-72
Imaging and optical data			
IR resolution	80x80	160x120	384x288
Field of View (FOV)	8x8°	8.2°x6.1°	17°x12°
Spatial resolution	1.79mrad (IFOV)	0.89mrad (IFOV)	0.77mrad (IFOV)
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK		
Image frequency	50Hz		
Len	19mm F1.0		
Image presentation			
Display	1.44" 640x480 EVF		
Color palettes	IRON/GRAY/ HOT RED/ COLD BLUE		
Set-up			
Laser / floodlight	< class2 / white LED floodlight		
Set-up commands	Local adaptation of units, language, date and time formats, information of camera		
Language selection	English, Chinese, French, German, Spanish		
Storage of videos/images			
Storage media	4Gbytes eMMC internal		
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card < 60 minutes		
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures		
Data communication interfaces			
USB interface	Data transform between camera and PC Remote control, live video		
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video		

Size(HxWxD): 48 x 50x 180mm Weight: 370g
Accessories: Gift box.





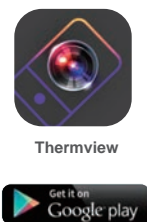
Model T-09F



Model T-25



Model T-10



EMC
EN: 61326-1
EN: 61010-1

Smart Thermview APP Function

- Thermal image snap and record
- Show temperature data at real time.
- Point/Line/Area real-time analysis
- History thermal image analysis
- Export PDF report
- Share thermal image to social platform
- Real-time preview the measurements of 9 color palettes

Specifications

	T-09F	T-10	T-15F	T-20	T-25
Thermal Sensor	120x90	206x156	160x120	320x240	256x192
Field of View	50°x38°/0.5m	36°	21°x16°/0.5m	36°	80°x60°
Frame Rate	25Hz	<9Hz	25Hz	<9Hz	25Hz
Object Temperature Range	-20°C~400°C	-10°C~330°C	-20°C~400°C	-10°C~330°C	-10°C~330°C
Detection Range	543m	330m	543m	543m	543m
Recognition Range	136m	83m	136m	136m	136m
Identification Range	78m	48m	78m	78m	78m
Photo & Video	*	*	*	*	*
Spot/Line/Area Temperature	*	*	*	*	*
High/Low Temperature	*	*	*	*	*
Threshold Mode	*	*	*	*	*
9 Color Palettes	*	*	*	*	*
Auto Mode	*	*	*	*	*
Auto Emissivity	*	*	*	*	*

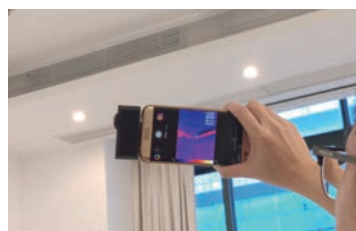
Size(HxWxD): 65 x 26x 16mm Weight: 80g
Accessories: Gift box.



Electrical inspection



HVAC/R



Air conditioning inspection



Machine monitoring

The 3.5"640x480 touchscreen LCD offers Auto Fusion function to blend a visible image with an infrared image to more easily locate problems. It can scan the asset's QR code or barcode, help classifying the thermal images into predefined folders. with WiFi function, you can transfer realtime thermal video or images to the smart phone, easily analyse, report and share.



EMC
EN: 61326-1
EN: 61010-1



Model T-50F

Specifications

	T-50F	T-60F	T-55	T-65F	T-68
IR resolution	120x90	160x120	206x156	256x192	320x240
Image frequency	25Hz	25Hz	9Hz	25Hz	9Hz
Pixel size	17µm	17µm	12µm	17µm	12µm
Field of view (FOV) / Minimum focus distance	50°x38°/0.5m	34°x23°/0.5m	36°x23°/0.5m	80°x60°/0.5m	36°x23°/0.5m
Object temperature range	-20°C to 150°C (-4°F to 302°F) 0°C to 400°C (32°F to 752°F)	-20°C to 150°C (-4°F to 302°F) 0°C to 400°C (32°F to 752°F)	-20°C to 330°C (-4°F to 626°F)	-20°C to 400°C (-4°F to 752°F)	-20°C to 330°C (-4°F to 626°F)
Built-in digital camera	2M				
Display	3.5" 640x480 Capacitive touch screen				
Image modes	IR image, Visual image, Picture in picture, Auto fusion				
Color palettes	Iron, Rainbow, Grey, Grey Inverted, Brown, Blue-red, hot-cold, Feather, Above alarm, Below alarm, Zone alarm,				
Spot	Center Spot, Three manual spots				
Automatic hot/cold detection	Auto hot or cold markers				
Area	Three areas analyse				
Storage media	3.4GB internal EMMC				
Video storage format	Standard MPEG-4 encode, 640x480@30fps, on memory card				
Image storage format	Standard JPEG, or HIR files including measurement data, on memory card >6000 pictures				
Interfaces	USB type-C				
Wifi	802.11, transfer images and realtime video stream.				
Battery	Li-ion battery, 4 hours operating time				

Size(HxWxD): 80 x 52 x 18mm Weight: 130g Accessories: USB cable, Gift box.



QR Code Scan



640x480 3.5" capacitive touch screen



Auto Fusion mode (AUF)



160x120 focal plane array (FPA)



Wi-Fi Connectivity



IP54



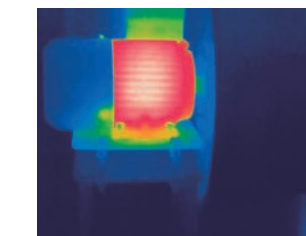
Electrical inspection



Building inspection



Wilderness exploration



Industrial inspection



Model AI-80, AI-160, AI-384



Model UIR80, UIR160, UIR384, UIR640

Specifications

	UIR80	UIR160	UIR384	UIR640	AI-80	AI-160	AI-384	
Imaging and optical data								
IR Resolution	80x80	160x120	384x288	640x480	80x80	160x120	384x288	
Focal Plane Array	Uncooled microbolometer/8-14um							
Field of View	17x17	29.8x22.6	24.6x18.6	24.6x19.8	21x21	29.8x22.6	41x31	
Focal length	9mm	7.5mm	22mm	22mm	7.5mm	7.5mm	9mm	
Spatial resolution	3.78mrad	3.33mrad	1.15mrad	0.77mrad	4.53mrad	3.33mrad	1.89mrad	
NETD (@25°C,F#1.0)	<0.1°C 100mK	<0.8°C 80mK	<0.5°C 50mK	<0.5°C 50mK	<0.1°C 100mK	<0.8°C 80mK	<0.5°C 50mK	
Image Frequency/ Focus	50Hz/ Manual							
Measurement								
Object temperature range	-20 to 150°C (-4 to 302°F) 0 to 650°C (32 to 1202°F)			32°C to 42°C(-89.6°F to +107.6°F) -20 to 150°C (-4 to 302°F) 0 to 650°C (32 to 1202°F)				
Face tracking				Intelligent face tracking,detect 10 faces at the same time				
Built-in visible digital camera				2M Pixels				
Accuracy	±2°C (±3.6°F) or ±2% of reading			±0.5°C (32~42°C, Screening mode) ±2°C, Normal temperature measurement range				
Image adjustment								
Color palettes	Grey/Grey Inverted/IRON/Rainbow							
Imaging Algorithm	Intelligent image enhancement							
Interfaces								
Video output/ Digital output	RJ45 Ethernet/ Standard PAL /USB UVC							
Communication interface	HTTP/RTSP							
Power/ Power consumption	5 VDC/ <1.8W @25°C							
Options Lens								
11mm		20.6°x15.5°	47.1°x36.2°					
22mm	8° x 8°	10.4°x7.8°						
33mm		6.9° x 5.2°						
38mm			14.4°x10.8°					
Size (HxWxD)	85x50x60mm			85x75x60mm				
Weight	178g			193g				

DT-971S/971H/DB-640 Professional Thermal Imaging Camera

EMC
EN: 61326-1
EN: 61010-1



Model: 971S



Model: 971H

Size(HxWxD): 195mm x115mm x83mm
Weight: 632g
Accessories: Infrared camera with lens, CVBS cable, Gift box.

Key Features:

- 100Mbps Ethernet, Composite video output, PAL & NTSC
- Standardized security interface design, using H.264 video compression protocol which is easy for system integration.
- 50Hz passive infrared imaging ensure the high frame rate security monitor circular around the clock in all kinds of bad weather
- Image enhancement feature highlights the target details, easy to achieve target surveillance and recognition;
- Precise non-contact wide temperature ranges: 600°C to 2000 °C/ 1112 °F to 3632 °F; (DB-640)
- High-dynamic 2D-Si-CMOS array with 640× 512 pixels, Spectral range 0.8 μm to 1.1 μm (DB-640)

Specifications

	971S	971H	DB-640
Imaging and optical data			
Field of view (FOV) / Minimum focus distance	29.8°x 22.6°/0.2m	29.8°x 22.6°/ 0.2m	22° x 17.6°
Special range	8-14 μm	8-14 μm	0.8-1.1 μm
Spatial resolution (IFOV)	3.33mrad	3.33mrad	0.6mrad
Thermal sensitivity/NETD	< 0.08°C @ +30°C (+86°F) / 80 mK	< 0.08°C @ +30°C (+86°F) / 80 mK	< 1°C @ +600°C
Image frequency	50Hz		30Hz
Focal length	7.5mm	7.5mm	25mm
IR resolution	160 × 120 pixels	160 × 120 pixels	640 × 512 pixels
Object temperature range	-20 to +150°C (-4 to +302°F)	-20 to +150°C (-4 to +302°F)	600°C to 2000°C 1112 °F to 3632 °F
Accuracy	±2°C (±3.6°F) or ±2% of reading		2% of reading
Interfaces			
Video out	composite(PAL and NTSC)		
Input voltage	DC 9V to 12V		DC 5V
Ethernet type, connector type, video streaming	100Mbps, RJ-45, H.264		
Alarm output	2 relay output		
Options Lens			
11mm		(FOV=20.6°x 15.5°)	8mm (FOV=68.8°x 55°)
22mm		(FOV=10.4°x 7.8°)	12mm (FOV=45.8°x 36.7°)
33mm		(FOV=6.9°x 5.2°)	50mm (FOV=11°x 8.8°)
38mm			75mm (FOV=7.3°x 5.9°)

CAM80/CAM160/CAM384/CAM640/CAM978/CAM979 have compact structure, small size and light weight which are a solid durable product with high sensitivity, clarity images, precise measurement and flexible operation features. It can meet the demand of non-contact temperature measurement, fast fault detection and thermal field analysis in the field of industrial, electrical, electronics and other industries.
CAM979 is combined with Visual and Thermal Imaging function, provides more flexible operation features.
The leading end will complete all the image processing and temperature measurement then the analog video can output to a monitor directly.



Model: 979



Model: 978

Specifications

	CAM80	CAM160	CAM384/978	CAM640	CAM979
Imaging and optical data					
Field of view (FOV) / Minimum focus distance	17x17°/0.5m	29.8x22.6°/0.2m	24.6°x 18.6°/ 0.5m	24.6°x 19.8°/ 0.3m	29.8°x 22.6°/ 0.2m
Spatial resolution (IFOV)	3.78mrad	3.33mrad	1.14 mrad	0.45	3.33mrad
Thermal sensitivity/NETD	< 0.1°C /100mK	< 0.08°C /80mK	< 0.05°C /50mK	< 0.05°C /50mK	< 0.08 °C @ +30 °C (+86°F) / 80 mK
Image frequency	50HZ				
Focus mode	Manual				
Focal length	9mm	7.5mm	22mm	38mm	7.5mm
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8-14 μm				
IR resolution	80x80	160x120	384x288	640x480	160x120
Image presentation					
Image modes	IR image only				IR image, visual image
Color palettes	IRON, Rainbow, Grey, Grey Inverted, Sepia, Blue_Red, Hot_Cold, Humidity				
Measurement					
Object temperature range	-20°C to +150°C (-4°F to +302°F) 0°C to +350°C (+32°F to +662°F)		-20°C to +150°C (-4°F to +302°F) 0°C to +400°C (+32°F to +752°F)		
Accuracy	±2°C (±3.6°F) or ±2% of reading				
Data communication interfaces					
Interfaces	USB, composite video				composite video
USB	Remote control				
Video out	Composite(PAL and NTSC)				
Ethernet type, connector type, video streaming					100Mbps, RJ-45, H.264
Alarm output	2 relay output				
Power system					
Input voltage	DC 9V to 12V				
Options Lens					
11mm		20.6° x 15.5°	47.1°x 36.2°		20.6° x 15.5°
22mm		10.4° x 7.8°			10.4° x 7.8°
33mm		6.9° x 5.2°			6.9° x 5.2°
38mm			14.4°x 10.8°		

Applications

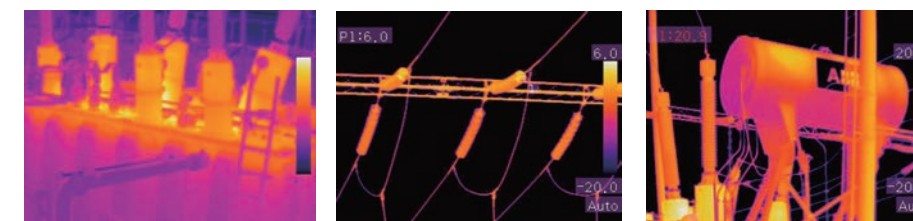
- Buildings, factories security monitor circular;
- Border, ports, airports, railway stations and other big visitors flow rate places monitor circular;
- Warehouse fire monitor circular;
- Forest fire monitor circular.



Size(HxWxD): 90mmx74mmx74mm
130mmx60mmx74mm(978 only)

Weight: 1000g

Accessories: Infrared camera with lens, CVBS cable, RS485 cable, Network cable, Gift box.

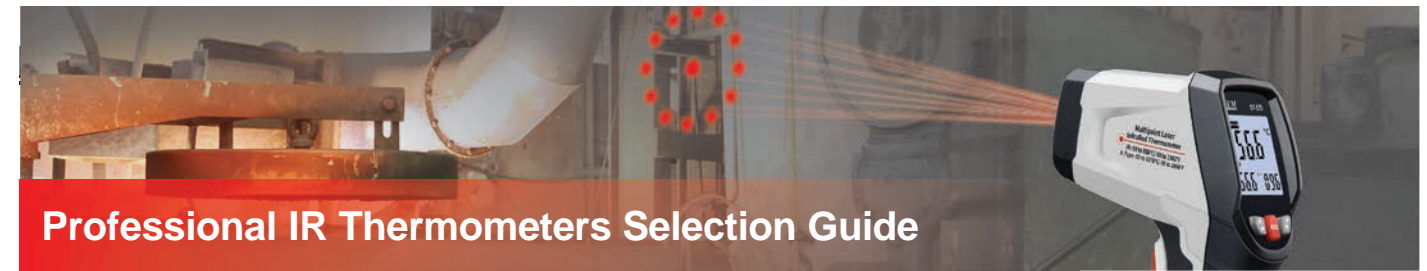


Non-Contact InfraRed Thermometers



EMC
EN: 61326
EN: 60825-1

Infrared thermometers provide non-contact, point-and-shoot temperature measurements ensuring safety and accuracy on the job. With unrivaled distance ratios, offers IR thermometers for every application.



Professional IR Thermometers Selection Guide



Professional 32*32 pixels IR Imager Thermometer

DT-9868S is a Professional infrared thermal imager with visible light and 32*32 pixels IR temperature measurement resolution. It combines the convenience of digital camera with thermal heat map at breakthrough affordability. The blended image eliminates guesswork and tells you the exact location of the issue.



Professional IR Video Thermometers with TFT color LCD display & Camera function

DT-9860S/9861S/9862S Professional Infrared Video Thermometers with 2.2" color TFT LCD display & a microSD memory card for capturing Circular images(JPEG) or video(3GP) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements. The measurement of dewpoint will be very visible for wet and dry proof. These serials products are with international patent and good hand for industrial measurements and data analyzing.



Professional High Temperature InfraRed Thermometers

DT-8867H/8868H/8869H have widest temperature range up to 2200°C and 75: 1 high distance to target ratio measures smaller surface areas at greater distances. They have 150ms faster sampling time with 1% accuracy, providing much faster, easier and accurate readings for most surface temperature measurements with dual laser pointers.



Professional InfraRed Thermometers with Dual Laser targeting

DT-8862 Series dual-laser IR temp gun accurately detects temperatures at long distances, and the 100-millisecond response time enables faster hot spot scanning.



Heavy Duty Professional InfraRed Thermometers with Circular Laser Targeting

DT-835/836 have IP54 rated for dust/water proof and 3 m (9.8 ft) drop tested, provide Hi and Lo temperature alarms for rapid display of measurements outside the limits, with Type K probe and Circular Laser Targeting, offer 150ms faster sampling time.



IR resolution
120x90 pixels



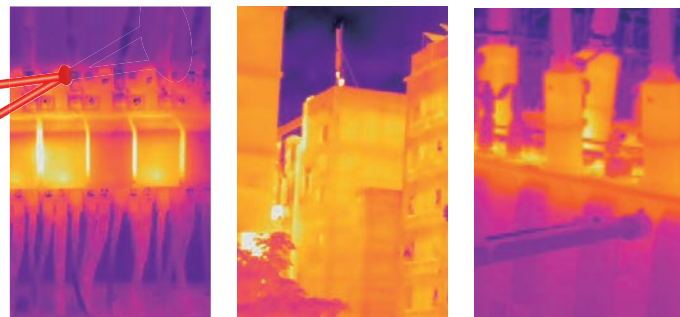
Thermal sensitivity
0.06°C (0.10°F)



9870H is a professional InfraRed 120 x 90 pixels imager thermometer with a single point infrared thermometer and 2.4" color TFT LCD display, 120x90 pixels Imagers & a microSD memory card for capturing Circular images(JPG) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurement.

Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment



Features

IR temperature measurement resolution	9870H 120x90
2.4" TFT 320x240 Pixels color LCD display	*
Single point infrared temperature	*
Dual laser targeting	*
2 million pixel video camera	*
Image capture frequency	30Hz
Thermal sensitivity (NETD)	≤60 mK
Hot Spot and Cold Spot Tracking	*
Visual camera & images capture(JPEG)	*
Micro SD memory card	*
Date/time setup controls, adjustable emissivity & trigger lock	*
Li-ION rechargeable battery	*
USB interface to smartphone / PC.	*
Language selection: English, Chinese, French, German, Italian	*

Specifications

Imaging and optical data	
IR resolution	120 x 90 pixels
Thermal sensitivity (NETD)	60 mK
Image frequency	30Hz
Object temperature range	-20°C to 400°C (-4°F to 752°F)
Basic accuracy	±2°C (±3.6°F) or ±2% of reading
Field of View	50° x 38°
Color palettes	GREY/GREY IRON/ IRON/RAINBOW
Detector data	
Detector type	VOX microbolometer
Spectral range	8-14µm
Single point infrared thermometer	
Temperature range	-50°C to 1200°C (-58°F to 2192°F)
D:S	50:1
Basic accuracy	±1°C (±1.8°F) or ±1% of reading
Response Time	Less than 150ms
Emissivity adjustable	0.10-1.0 Adjustable
Micro SD memory card	MAX. support 8GB
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures

Size(HxWxD): 125mm x 58mm x 205mm Weight: 414g

Accessories: 3.7V Li battery, USB cable, Carrying case and Gift box



Model: 9870H



IR resolution
32x32 pixels

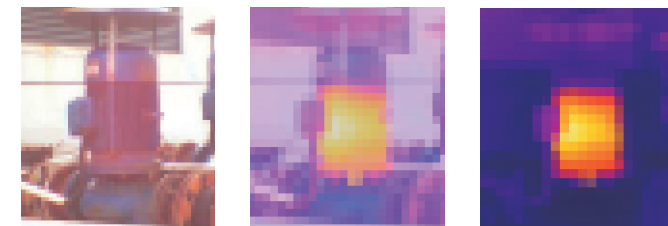


Thermal sensitivity
0.10°C (0.18°F)



9868S is a professional InfraRed 32x32 pixels Imager Thermometer with 2.2" color TFT LCD display, 32x32 pixels Imagers & a microSD memory card for capturing Circular images(BMP) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements.

9868H is an InfraRed 32x32 pixels Imager Thermometer with 2.4" color TFT LCD display, which is with Single point infrared temperature and 2 million pixel video camera.



25% visual 50% blend 75% blend

9868S combines the convenience of digital camera with thermal heat map at breakthrough affordability. The blended image eliminates guesswork and tells you the exact location of the issue.

Features

	9868S	9868H
IR temperature measurement resolution	32x32	32x32
2 million pixel video camera		*
640*480 pixel video camera	*	
Single point infrared temperature		*
2.2" TFT 320x240 Pixels color LCD display	*	
2.4" TFT 320x240 Pixels color LCD display		*
Image Capture Frequency 9Hz	*	*
Thermal Sensitivity (NETD)	100 mK	100 mK
Hot Spot and Cold Spot Tracking	*	*
Visual Camera & Images Capture(BMP)	*	*
MicroSD memory card	*	*
Date/time setup controls, Adjustable emissivity & trigger lock	*	*
Li-ion rechargeable battery	*	*
USB interface to smartphone / PC.	*	*
Language selection: English, Chinese, French, German, Italia	*	*

Specifications

Imaging and optical data	
Thermal sensitivity (NETD)	100 mK
Image frequency	9Hz
Detector data	
Detector type	Uncooled hyper-thin pyroelectric ceramic
Spectral range	8-14µm
IR resolution	32 x 32 pixels
Object temperature range	-20°C to 600°C (-4°F to 1112°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
Spotmeter	Center spot
Emissivity adjustable	0.10-1.0 Adjustable
Single point infrared thermometer	
Temperature range	-50°C to 1000°C (-58°F to 1832°F) (9868H)
D:S	50:1(9868H)
Basic accuracy	±1°C (±1.8°F) or ±1% of reading (9868H)
Response Time	Less than 150ms (9868H)
Micro SD memory card	MAX. support 8GB
Field of View	39° x 39°
Color palettes	GRAY/GRAY IRON/ IRON/RAINBOW
Image storage format	Standard BMP, including measurement data, on memory card > 1000 pictures

Size(HxWxD): 125mm x 58mm x 205mm Weight: 404g

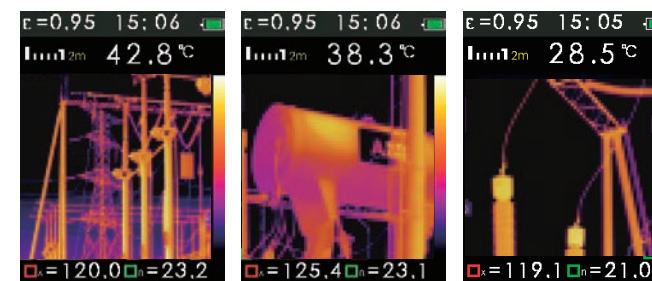
Accessories: 3.7V Li battery, USB cable, Carrying case and Gift box



EMC
EN: 61326-1
EN: 61010-1



Model: 9868H





EMC
EN: 61326-1
EN: 61010-1



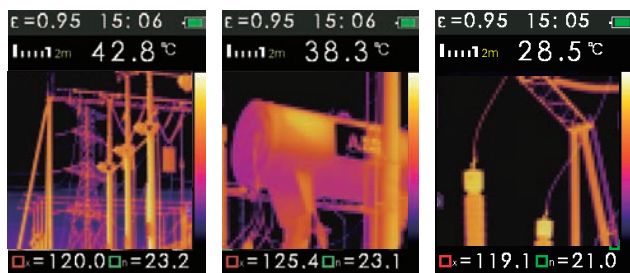
IR resolution
120x90 pixels



Thermal sensitivity
0.06°C (0.10°F)

Model 877H

877H is Professional InfraRed 120x90 pixels Imager Thermometers with 2.4" color TFT LCD display, providing fast, easy and accurate readings for most surface temperature measurements with cloud service.



Size(HxWxD): 210mm x 60mm x 123mm

Weight: 410g

Accessories: 3.7V Li battery, USB cable, Carrying case and Gift box

Features

	877H	876H
IR temperature measurement resolution	120x90	32x32
Single point infraRed thermometer	*	*
Circular laser targeting	*	*
2.4" TFT 320x240 Pixels color LCD display	*	*
2 million pixel video camera	*	*
Image capture frequency	30Hz	9Hz
Thermal sensitivity (NETD)	≤60 mK	≤100 mK
Hot Spot and Cold Spot Tracking	*	*
Visual camera & images capture(JPEG)	*	*
Micro SD memory card	*	*
Date/time setup controls, adjustable emissivity & trigger lock	*	*
Li-ION rechargeable battery	*	*
Optical Resolution	50:1	30:1
USB interface	*	*
Language selection: English, Chinese, French, German, Italian	*	*

Specifications

Imaging and optical data	
Object temperature range (32x32)	-20°C to 600°C (-4°F to 1112°F) (876H)
Object temperature range (120x90)	-20°C to 400°C (-4°F to 752°F) (877H)
Basic accuracy	±2°C (±3.6°F) or ±2% of reading
Field of View	50° x 38° (877H) / 39° x 39° (876H)
Color palettes	GREY/GREY IRON/ IRON/RAINBOW
Detector data	
Detector type	VOX microbolometer(877H) Uncooled hyper-thin pyroelectric ceramic(876H)
Single point infrared thermometer	
	877H
Temperature range	-50°C to 800°C -58°F to 1472°F
D:S	50:1
Basic accuracy	±1°C (±1.8°F) or ±1% of reading
Response Time	Less than 150ms
Emissivity adjustable	0.10~1.0 Adjustable
Micro SD memory card	MAX. support 8GB
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures

867/867B are the Professional InfraRed 32x32 pixels Imager Thermometers with 2.0" color TFT LCD display, 32x32 pixels Imagers for capturing images(BMP) to view on your PC, providing fast, easy and accurate readings for most surface temperature measurements.

2.0" TFT Color LCD display

32x32 Pixels IR images

Features

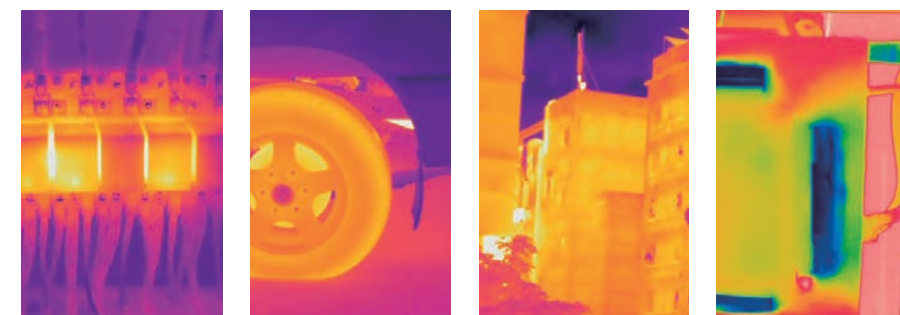
2.0" TFT 320x240 Pixels color LCD display
IR temperature measurement with resolution 32x32 pixels
Image Capture Frequency 7Hz
Thermal Sensitivity (NETD) ≤100 mK
Hot Spot and Cold Spot Tracking
Visual Camera & Images Capture(BMP)
Date/time setup controls, Adjustable emissivity & trigger lock
Li-ION rechargeable battery (867 only)
3x "AAA" batteries (867B only)
USB interface to PC.
Language selection: English, Chinese
IP54 waterproof level

Specifications

Imaging and optical data	
Thermal sensitivity (NETD)	0.10°C (0.18°F) @ 1Hz and 100°C
Image frequency	7Hz
Detector data	
Detector type	Uncooled hyper-thin pyroelectric ceramic
Spectral range	8~14μm
IR resolution	32 x 32 pixels
Display	2.0" TFT 320x240 pixels color LCD display
IR temperature Measurement	
Object temperature range	-20°C to +600°C (-4°F to +1112°F)
Accuracy	±3°C (±5.4°F) or ±2% of reading
Spotmeter	Center spot
Emissivity adjustable	0.10~1.0 Adjustable
Field of View	39° x 39°
Color palettes	GREY/GREY IRON/ IRON/RAINBOW
Image storage format	Standard BMP, including measurement data, on drive > 100 pictures

Size(HxWxD): 175mm x 58mm x 70mm Weight: 350g

Accessories: 3.7V Li battery (867), 3x "AAA" batteries (867B), USB cable, Carrying case and Gift box



EMC
EN: 61326-1
EN: 61010-1

Model 867B



Professional InfraRed Video Thermometers with TFT color LCD display & Imager Video format



Cloud Server

Worldwide Patent:
PCT/CN2010/000230
200910189276.8
200920261924.1



EMC
EN: 61326
EN: 60825-1



Upload images and videos to a PC or laptop for further analysis or use for report documentation.



Dual laser targeting & D:S = 50:1



Fold reading on the images



High accuracy (1.0%) measurement

Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment



2.2" TFT color LCD display



Support **Images**(JPEG) capture capabilities



Support **Video**(3GP) capture capabilities



Support **IR, K-Type, Air, Dewpoint, Wet bulb Temp. & Air Humidity** measurement



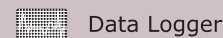
Dual-laser targeting



Date/Time setup controls



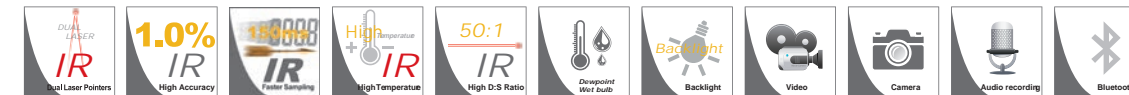
USB interface



Data Logger



Support **MicroSD** memory card extension



2.2" TFT Color LCD display

9860S/9861S/9862S Series Professional Infrared Video Thermometers with 2.2" color TFT LCD display & a microSD memory card for capturing Circular images(JPEG) or video(3GP) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements. The measurement of dewpoint will be very visible for wet and dry proof. These serials products are with international patent and good hand for industrial measurements and data analyzing. The user can be back in office to analyze the measured Infrared temperature readings under the support of software.

Capture Circular images(JPEG) 50 : 1 distance to spot size

Features

- 2.2" Color TFT LCD and Built-in 640 x 480 Camera With a microSD card for capturing images (JPEG) and video (3GP) for viewing on your PC
- Dual laser indicates ideal measuring distance where the two laser points converge to a 1" target spot
- Fast 150 millisecond response time
- Color bargraph for viewing trends
- Type K Thermocouple input
- Air Temperature and Relative Humidity measurement
- Adjustable emissivity increases measurement accuracy for different surfaces
- Adjustable High/Low set points with audible alarm alerts user when temperature exceeds the programmed set points
- MAX/MIN/AVG/DIF functions
- Trigger lock function for continuous readings
- USB interface
- Auto power off
- Double molded housing



EMC
EN: 61326-1
EN: 61010-1

Worldwide Patent:
PCT/CN2010/000230
200910189276.8
200920261924.1

Model 9860S

Specifications

	9860S	9861S	9862S
IR Temp. Range	-50°C to 1000°C -58°F to 1832°F	-50°C to 1600°C -58°F to 2912°F	-50°C to 2200°C -58°F to 3992°F
Response Time	Less than 150ms		
Resolution	0.1° up 1000°, 1° over 1000°		
Basic Accuracy (IR)	±1.0% of reading		
Optical Resolution	50:1 Distance to Spot size		
Emissivity Adjustable	0.10~1.0 Adjustable		
Type K Temp. Range	-50°C to 1370°C /-58°F to 2498°F		
Basic Accuracy (TK)	±0.5% of reading ±1°C		
Micro SD memory card	MAX. support 8GB		
Air Temp Range	0 to 50°C/32 to 122°F		
Air Temp Basic Accuracy	±0.5°C/1°F		
Humidity Range	0 to 100%RH		
Humidity Basic Accuracy	±2.5%RH(20%~80%RH)		
Dew Point Temp. Range	0 to 50°C/32 to 122°F		
Wet Bulb Temp. Range	0 to 50°C/32 to 122°F		

Size(HxWxD): 125mm x 58mm x 205mm
Weight: 494g

Accessories: 3.7V Li battery, Type K Temp. probe, USB cable, Carrying case and Gift box





- 75: 1 distance to spot size
- Dual laser pointers
- 150ms faster sampling time
- 1% accuracy
- Reading memory

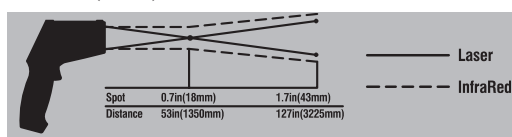
Adjustable Emissivity Data Record Fast measurement with high accuracy

Model 8889/8889H

Features

- Graphic white and black LCD display
- Max, Min, DIF, AVG record & trigger lock
- High / low alarm
- Auto Power Off
- Adjustable emissivity
- Type K input
- Memory data with Date/Time stamp (30 points)
- USB interface
- Datalog (Only 8879/8889H)
- Wireless interface (Only 8879/8889H)

Distance (D) to Spot size(S)
D:S=75:1 (8889H)



(Unit: mm)



Thermistor clamp



TCP-100



Temperature probe
(Optional: NR-31B / TP-500 / TCP-100)

Specifications

	8878	8879	8889	8889H
IR Temp. Range	-50°C to 1200°C/ -58°F to 2192°F	-50°C to 1600°C/ -58°F to 2912°F	-50°C to 1850°C/ -58°F to 3362°F	-50°C to 2200°C/ -58°F to 3992°F
Response Time	Less than 150ms	Less than 150ms	Less than 150ms	Less than 150ms
Resolution	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°
Basic Accuracy (IR)	±1.0% of reading	±1.0% of reading	±1.0% of reading	±1.0% of reading
Optical Resolution	50:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size	75:1 Distance to Spot size
Emissivity	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0
Type K Temp. Range	-50°C to 1370°C/ -58°F to 2498°F	-50°C to 1370°C/ -58°F to 2498°F	-50°C to 1370°C/ -58°F to 2498°F	-50°C to 1370°C/ -58°F to 2498°F
Basic Accuracy (TK)	±0.5% of reading	±0.5% of reading	±0.5% of reading	±0.5% of reading
Readings memories	30	30	30	30
Datalog		*	*	*
Wireless interface(433Mhz)		*		
Bluetooth interface			*	*

Size(HxWxD): 204mm x 155mm x 52mm Weight: 320g

Accessories: 9V battery, USB Cable, Tripod, Software, Type-K temperature probe, Carrying case and Gift box

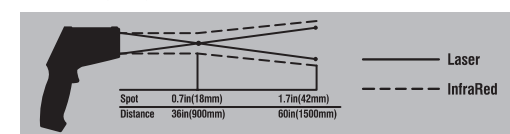
8867H/8868/8868H/8869/8869H Series provide much faster, easier and accurate readings for most surface temperature measurements with Dual laser pointers. Two laser points converge to a single spot when the unit is at the optimal distance from the object being measured.

- 150ms faster sampling time with 1% accuracy
- High 50 to 1 distance to target ratio measures smaller surface areas at greater distances
- Widest temperature range
- Unique flat surface, modern housing design
- Built-in dual laser pointers for accurate targeting
- Automatic Data Hold & Trigger Lock
- Max, Min, DIF, AVG record
- High and low temp. alarm
- Emissivity Digitally adjustable from 0.10 to 1.0
- USB interface
- Compatible with all standard connector Type K thermocouples

Features

- User selectable °C or °F
- Dual Laser targeting
- Automatic Data Hold
- Auto Power Off
- White backlit LCD display
- Overrange indication
- High temperature
- Max, Min, DIF, AVG record
- High / low alarm, Trigger lock
- Adjustable emissivity
- Reading memory (8868/8869/8868H/8869H)
- Type K input
- USB interface

Distance (D) to Spot size(S)
D:S=50:1(8869)



(Unit: mm)



- 150ms faster sampling time
- 1% accuracy
- Reading memory

- 50 : 1 distance to spot size
- Dual laser pointers



EMC
EN: 61326
EN: 60825-1



Model 8869

Specifications

	8867H	8868	8869	8868H	8869H
IR Temp. Range	-50°C to 1650°C -58°F to 3002°F	-50°C to 1200°C -58°F to 2192°F	-50°C to 1600°C -58°F to 2912°F	-50°C to 1850°C -58°F to 3362°F	-50°C to 2200°C -58°F to 3992°F
Response Time	Less than 150ms	Less than 150ms	Less than 150ms	Less than 150ms	Less than 150ms
Resolution	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°
Basic Accuracy (IR)	±1.0% of reading	±1.0% of reading	±1.0% of reading	±1.0% of reading	±1.0% of reading
Optical Resolution	30:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size
Emissivity	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0
Type K Temp. Range	-50°C to 1370°C -58°F to 2498°F	-50°C to 1370°C -58°F to 2498°F	-50°C to 1370°C -58°F to 2498°F	-50°C to 1370°C -58°F to 2498°F	-50°C to 1370°C -58°F to 2498°F
Basic Accuracy (TK)	±1.5% of reading	±1.5% of reading	±1.5% of reading	±1.5% of reading	±1.5% of reading
Readings memories		99	99	99	99

Size(HxWxD): 204mm x 155mm x 52mm Weight: 320g

Accessories: 9V battery, USB Cable, Tripod, Software, Type-K temperature probe, Carrying case and Gift box



Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage



EMC
EN: 61326
EN: 60825-1

8857 Series Professional IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects become easy with the bright circular laser. Even in the dark, the display is easy to read with the quality backlight.



- 150ms faster sampling time with 1% accuracy
- Rugged: 3 m (9.8 ft) drop tested
- Ergonomically designed: Completely redesigned for a more natural hand fit
- Distance to spot: Precise laser technology makes for more accurate and repeatable measurements
- Alarm: Hi and Lo temp. alarms for rapid display of measurements outside the limits
- Accurate readings for infrared temperature

Features

	8857	8857H
User selectable °C or °F	*	*
Circular laser targeting	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
White Backlit LCD Display	*	*
Overrange indication	*	*
Trigger lock for continuous use	*	*
Max, MIN, DIF, AVG display	*	*
High and low alarm	*	*
Adjustable emissivity	*	*
Type-K input	*	*
Bluetooth interface	*	*

Specifications

	8857	8857H
IR Temp. Range	-50°C to 1000°C	-50°C to 1200°C
	-58°F to 1832°F	-58°F to 2192°F
Response Time	Less than 150ms	
Resolution	0.1° up 1000°, 1° over 1000°	
Basic Accuracy (IR)	±1.0% of reading	
Optical Resolution	30:1 Distance to Spot size	40:1 Distance to Spot size
Emissivity	Adjustable 0.10-1.0	
Type K Temp. Range	-50°C to 1370°C/-58°F to 2498°F	
Basic Accuracy (TK)	±1.5% of reading	
Reading memories	99	
Spectral Response	8-14µm	

Size(HxWxD): 170mm x 50mm x 95mm **Weight:** 248g
Accessories: 2x1.5V“AAA”batteries, Type K Probe, Carrying case and Gift box.

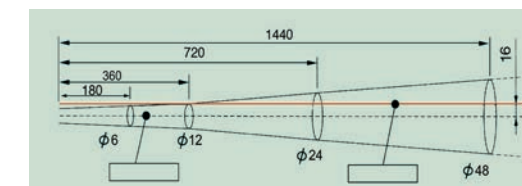


Model 8857



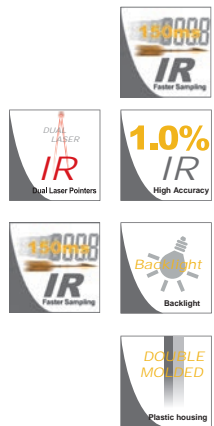
Model 8857H

Distance (D) to Spot size(S)
D:S=30:1



(Unit: mm)

Professional InfraRed Thermometers with Dual Laser targeting



Fast response time 0.15 sec.

Built-in Dual Laser Pointers focus target (calibrated distance)
High accuracy(1.0%) measurement

Triple LCD display indicates Reading, Max reading and Emissivity at same time.
High contrast LCD with white backlight

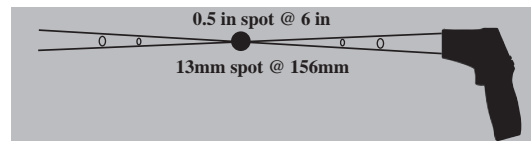
Double molded housing design



CE
EMC
EN: 61326
EN: 60825-1

Model 8862B

Distance (D) to Spot size(S)
D:S=12:1



(Unit: mm)

Features	8862B	8863B
User selectable °C or °F	*	*
Dual laser targeting	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
White Backlit LCD Display	*	*
Overrange indication	*	*
Trigger lock for continuous use	*	*
Max display	*	*
High and low alarm	*	*
Adjustable emissivity	*	*
Optical Resolution	12:1	20:1
Red backlight & beeper alarm	*	*

Specifications	8862B	8863B
IR Temp. Range	-50°C to 650°C -58°F to 1202°F	-50°C to 800°C -58°F to 1472°F
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°	
Emissivity	Adjustable 0.10~1.0	
Basic Accuracy	±1.0% of reading	
Response Time	Less than 150ms	
Spectral response	8-14µm	

Size(HxWxD): 146mm x 104mm x 43mm Weight: 163g
Accessories: 9V battery, Carrying case and Gift box.

Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage



Red backlight alerts



Triple LCD display with white backlight



Worldwide Patent:
PCT/CN2012/082197

• 150ms faster sampling time
• 1% accuracy

• Dual laser pointers



Model 8862



CE
EMC
EN: 61326
EN: 60825-1

Key Benefits

- Green, Red & Blue backlight: Normal, Higher & Lower temperature indications



Model 8862C



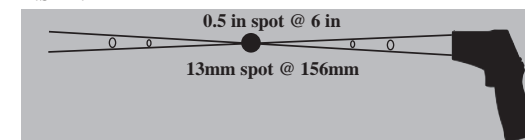
Model 8863/8865

Features	8860L	8860B	8861B	8861	8862	8862C	8862MAX+	8863	8865
User selectable °C or °F	*	*	*	*	*	*	*	*	*
Dual laser targeting	Single laser	Single laser	*	*	*	*	*	*	*
Automatic Data Hold	*	*	*	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*	*	*	*
White Backlit LCD Display	*	*	*	*	*	*	*	*	*
Overrange indication	*	*	*	*	*	*	*	*	*
Trigger lock for continuous use	*	*	*	*	*	*	*	*	*
Max display	*	*	*	*	*	*	*	*	*
High and low alarm	*	*	*	*	*	*	*	*	*
Adjustable emissivity	*	*	*	*	*	*	*	*	*
Optical Resolution	12:1	12:1	12:1	12:1	12:1	12:1	12:1	20:1	30:1
Green, Red & Blue backlight: Normal, Higher & Lower temperature indications							*		
Negativity display						*			

Specifications	8860L	8860B/8861B	8861	8862/8862C	8862MAX+	8863	8865
IR Temp. Range	-50°C to 500°C -58°F to 932°F	-50°C to 450°C -58°F to 842°F	-50°C to 550°C -58°F to 1022°F	-50°C to 650°C -58°F to 1202°F	-50°C to 650°C -58°F to 1202°F	-50°C to 800°C -58°F to 1472°F	-50°C to 1000°C -58°F to 1832°F
Emissivity	Fix 0.95	Adjustable 0.10~1.0					
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°						
Basic Accuracy	±2.0% of reading	±1.0% of reading					
Response Time	Less than 1s	Less than 150ms					
Spectral Response	8-14µm						

Size(HxWxD): 146mm x 104mm x 43mm Weight: 163g
Accessories: 9V battery, Carrying case and Gift box.

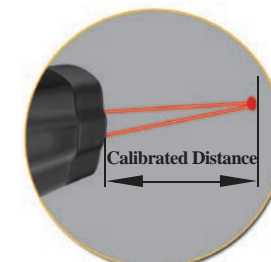
Distance (D) to Spot size(S)
D:S=12:1



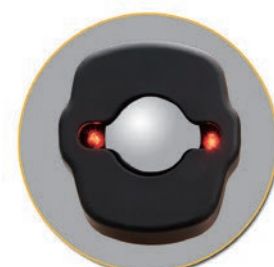
(Unit: mm)



Triple LCD display with white backlight



Accurate Measurement



High Quality Lens & Dual laser pointers



CE

EMC
EN: 61326
EN: 60825-1

Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage



Circular laser pointers

150ms faster sampling time
1% accuracy

8875/8876/8876+ Professional Infrared Thermometers provide much faster and more accurate readings for Infrared Temperature.

- 150ms faster sampling time with 1% accuracy
- Dust and water-proof: IP54 rated for dust/water proof
- Rugged: 3 m (9.8 ft) drop tested
- Ergonomically designed: Completely redesigned for a more natural hand fit
- Distance to spot: Precise laser technology makes for more accurate and repeatable measurements
- Alarm: Hi and Lo temp. alarms for rapid display of measurements outside the limits
- Accurate readings for infrared temperature.

Features

	8875	8876	8876+
User selectable °C or °F	*	*	*
Dual laser targeting	*		
Circular laser targeting		*	*
Automatic Data Hold	*	*	*
Auto Power Off	*	*	*
White backlit LCD display	*	*	*
Overrange indication	*	*	*
MAX, MIN, DIF, AVG display	*	*	*
K- Type input		*	*
Adjustable emissivity	*	*	*
Optical resolution	16:1	20:1	30:1
Red backlight & beeper alarm	*	*	*

Specifications

	8875	8876	8876+
IR Temp. Range	-50°C to 850°C -58°F to 1562°F	-50°C to 1000°C -58°F to 1832°F	-50°C to 1300°C -58°F to 2372°F
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°		
Emissivity	Adjustable 0.10~1.0		
Basic Accuracy	±1.0% of reading		
Response Time	Less than 150ms		
Spectral response	8-14µm		

Size(HxWxD): 190mm x 55mm x 110mm Weight: 263g
Accessories: 9V battery, Carrying case and Gift box.



CE

EMC
EN: 61326
EN: 60825-1

Model 8876



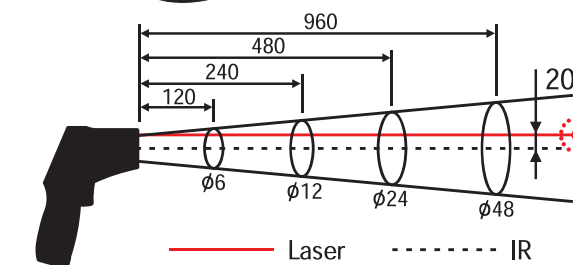
Model 8875



Triple LCD display with white backlight



Red backlight alerts



Distance: Spot=20:1

Professional InfraRed Thermometers with Circular Laser targeting



Fast response time 0.15 sec.



Built-in Circular Laser Pointers focus target (calibrated distance)



Triple LCD display indicates infrared temperature, dew-point temperature & humidity readings.



Double molded housing design



Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage



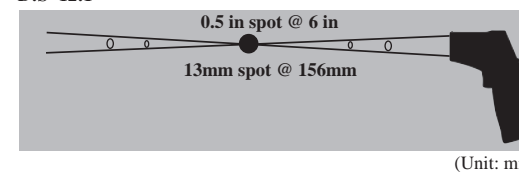
8870/8870B/8870V/8871/8872/8873 Series compact Infrared Thermometers provide much faster and more accurate readings for Infrared Temperature, Dew-point Temperature & Humidity.

- Dust and water-proof: IP54 rated for dust/water proof
- Rugged: 3 m (9.8 ft) drop tested
- Ergonomical design: Perfectly design for more suitable handheld
- Distance to spot: Precise laser technology allows more accurate and repeatable measurements
- Alarm: Hi and Lo alarms for rapid display of measurements outside the limits
- Accurate readings for infrared temperature, dew-point temperature & humidity.



EMC
EN: 61326
EN: 60825-1

Distance (D) to Spot size(S)
D:S=12:1



• Circular laser pointers

• 150ms faster sampling time



Model 8870B



Model 8873

Features

	8870	8870B	8870V	8871	8872	8873
User selectable °C or °F	*	*	*	*	*	*
Circular laser targeting	*	Single laser	Dual laser	*	*	Dual laser
Automatic Data Hold	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*
White Backlit LCD Display	*	*	*	*	*	*
Max/Min display			*			
Dew-point temperature alarm	*			*	*	*
Adjustable emissivity	*		*	*	*	*
Optical resolution	12:1	12:1	12:1	16:1	20:1	30:1
Dew-point temperature & humidity readings	*			*	*	*
Bluetooth interface		*				*
Memory data with Date/Time stamp		200 points				200 points

Specifications

	8870	8870B	8870V	8871	8872	8873
IR Temp. Range	-50°C to 500°C -58°F to 932°F	-50°C to 380°C -58°F to 716°F	-50°C to 500°C -58°F to 932°F	-50°C to 800°C -58°F to 1472°F	-50°C to 800°C -58°F to 1472°F	-50°C to 1000°C -58°F to 1832°F
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°					
Basic Accuracy	±2.0% of reading					
Spectral Response	8-14µm					
Response Time	< 150ms	< 400ms	< 500ms	< 150ms		
Humidity	0~100% RH			0~100% RH		
Air Temp.	-20~50°C/ -4~122°F		-20~50°C/ -4~122°F			
Dew Point Temp.	-20~50°C/ -4~122°F		-20~50°C/ -4~122°F			
Emissivity	Adjustable 0.10~1.0					
Humidity Accuracy	±3% RH(20%~80%RH)					

Size(HxWxD): 165mm x 45mm x 85mm Weight: 163g

Accessories: 9V battery, Carrying case and Gift box.





835 Series Professional IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects become easy with the bright circular laser. Even in the dark, the display is easy to read with the quality backlit.

- 150ms faster sampling time with 1% accuracy
- Dust and water-proof: IP54 rated for dust/water proof
- Rugged: 3 m (9.8 ft) drop tested
- Ergonomically designed: Completely redesigned for a more natural hand fit
- Distance to spot: Precise laser technology makes for more accurate and repeatable measurements
- Alarm: Hi and Lo temp. alarms for rapid display of measurements outside the limits
- Accurate readings for infrared temperature

Features	835	835A/835C	836	836A/836C
User selectable °C or °F	*	*	*	*
Circular laser targeting	*	*	*	*
Automatic Data Hold	*	*	*	*
Auto Power Off	*	*	*	*
White Backlit LCD Display	*	*	*	*
Overrange indication	*	*	*	*
Trigger lock for continuous use	*	*	*	*
Max, MIN, DIF, AVG display	*	*	*	*
High and low alarm	*	*	*	*
Adjustable emissivity	*	*	*	*
Type-K input	*	*	*	*
Negativity display		*/colorful		*/colorful
Optical resolution	16:1	16:1	20:1	20:1

Specifications	835/835A/835C	836/836A/836C
IR Temp. Range	-50°C to 800°C -58°F to 1472°F	-50°C to 1000°C -58°F to 1832°F
Response Time	Less than 150ms	
Resolution	0.1° up 1000°, 1° over 1000°	
Basic Accuracy (IR)	±1.0% of reading	
Optical Resolution	16:1 Distance to Spot size	20:1 Distance to Spot size
Emissivity	Adjustable 0.10~1.0	
Type K Temp. Range	-50°C to 1370°C/-58°F to 2498°F	
Basic Accuracy (TK)	±1.5% of reading	
Spectral Response	8-14µm	

Size(HxWxD): 170mm x 50mm x 95mm **Weight:** 248g
Accessories: 2x1.5V“AAA”batteries, Type K Probe, Carrying case and Gift box.



Model 835

CE
EMC
EN: 61326
EN: 60825-1



Model 836A



Model 835C



833 Series Professional IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects are easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlit.

- 150ms faster sampling time with 1% accuracy
- Dust and water-proof: IP54 rated for dust/water proof
- Rugged: 3 m (9.8 ft) drop tested
- Ergonomically designed: Completely redesigned for a more natural hand fit
- Distance to spot: Precise laser technology makes for more accurate and repeatable measurements
- Alarm: Hi and Lo temp. alarms for rapid display of measurements outside the limits
- Accurate readings for Infrared Temperature

Features	833	833A/833C
User selectable °C or °F	*	*
Dual laser targeting	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
White Backlit LCD Display	*	*
Overrange indication	*	*
Max, MIN, DIF, AVG display	*	*
High and low alarm	*	*
Adjustable emissivity	*	*
Negativity display		*/colorful
Optical resolution	12:1	12:1

Specifications	
IR Temp. Range	-50°C to 650°C -58°F to 1202°F
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°
Emissivity	Adjustable 0.10~1.0
Basic Accuracy	±1.0% of reading
Response Time	Less than 150ms
Spectral Response	8-14µm

Size(HxWxD): 170mm x 50mm x 85mm **Weight:** 238g
Accessories: 2x1.5V“AAA”batteries, Carrying case and Gift box.



Model 833

CE
EMC
EN: 61326
EN: 60825-1



Model 833C



Worldwide Patent:
PCT/CN2012/082197



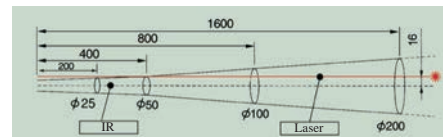
EMC
EN: 61326
EN: 60825-1



Model 811/812

Distance (D) to Spot size(S)

D:S=8:1



(Unit: mm)

810/810B/811/812 Series mini IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects become easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlight.

- Unique flat surface, mini modern housing design
- Temperature measurements from -50.0°C to 500°C/-58.0°F to 932°F (812)
- Backlighting illuminates display for taking measurements at night or in areas with low background light levels
- Max / Min record
- User selectable °C or °F
- Overrange indication
- Auto Data Hold when trigger released

Features

	810/810B/811/812
User selectable °C or °F	*
Laser targeting	*
Automatic Data Hold	*
Auto Power Off	*
White Backlit LCD Display	*
Overrange indication	*
Max / Min record	*

Specifications

	810	810B	811	812
Range	-30°C to 260°C -22°F to 500°F	-50°C to 500°C -58°F to 932°F	-30°C to 380°C -22°F to 716°F	-50°C to 500°C -58°F to 932°F
Basic Accuracy	±2% of reading or ±2°C/±4°F			
Resolution	0.1°C/°F			
Response Time	Less than 1 second			
Optical Resolution	8:1 Distance to Spot size			
Emissivity	Fixed at 0.95			

Size(HxWxD): 131mm x 96mm x 35mm Weight: 130g
Accessories: 9V battery, Carrying case and Clamshell.

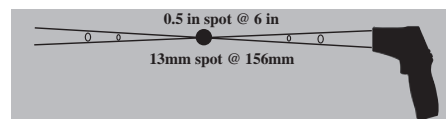
DT-820/820B/820V/821/822 12:1/20:1 InfraRed Thermometers



Model 822

Distance (D) to Spot size(S)

D:S=12:1



(Unit: mm)



820/820B/821/822 Series mini IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects become easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlight.

Features

	820B	820V	820/821	822
User selectable °C or °F	*	*	*	*
Targeted scanning for higher/lower temperature			*	*
Dual laser targeting	*	Single Laser	*	*
Automatic Data Hold	*	*	*	*
Auto Power Off	*	*	*	*
Negativity display	*	*	*	*
Overrange indication	*	*	*	*
Max / Min record	*	*	*	*
Bluetooth				*

Specifications

	820B	820V	820	821	822
Range	-50°C to 500°C -58°F to 932°F	-50°C to 500°C -58°F to 932°F	-50°C to 500°C -58°F to 932°F	-50°C to 650°C -58°F to 1202°F	-50°C to 800°C -58°F to 1472°F
Distance to Spot size	10:1	12:1	12:1	12:1	20:1
Response Time	Less than 1s		Less than 150 ms		
Basic Accuracy	±2.0% of reading		±1.0% of reading		
Resolution	0.1°C/°F				
Emissivity	Fixed at 0.95				

Size(HxWxD): 131mm x 96mm x 35mm Weight: 130g

Accessories: 9V battery, Carrying case and Clamshell.



827/827V mini IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects become easy with the bright laser beam. It allows you to read the measured data in dim environment with backli

Features

	827	827V
User selectable °C or °F	*	*
Dual laser targeting	Single Laser	*
Automatic Data Hold	*	*
Auto Power Off	*	*
Negativity display		*
Overrange indication	*	*
MAX/MIN/DIF/AVG display	*	*
High/Low temp. alarm/record	*	*
Backlight	*	*
Color LCD display	*	*
Adjustable emissivity	*	*

Specifications

	827	827V
Temperature Range	-50°C to 500°C/-58°F to 932°F	-50°C to 760°C/-58°F to 1400°F
Distance to Spot size	12:1	
Response Time	Less than 500ms	
Accuracy	±2% or ±2°C (3.6°F)	
Resolution	0.1°C/°F	
Emissivity	Adjustable 0.10~1.0	

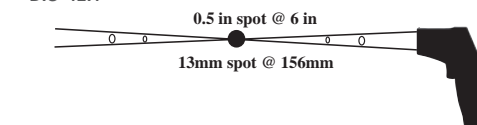
Size(HxWxD): 131mm x 96mm x 35mm Weight: 130g
Accessories: 9V battery, Carrying case and Clamshell.



Model 827V

Distance (D) to Spot size(S)

D:S=12:1



(Unit: mm)

DT-830/831/831H InfraRed Thermometers

830/831 IR Thermometer provides non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance.

831H IR Thermometer provides non-contact temperature measurements with body mode.

Features

	830	831	831H
User selectable °C or °F	*	*	*
Automatic Data Hold	*	*	*
Auto Power Off	*	*	*
White Backlit LCD Display	*	*	*
Overrange indication, High and low alarm	*	*	*
Max, MIN, DIF, AVG display	*	*	*
Adjustable emissivity	*	*	*
Body mode		*	*
Memory stores up to 32 readings for easy recall		*	*

Specifications

	830/831H	831
IR Temp. Range	-35°C to 500°C/-31°F to 932°F	-35°C to 650°C/-31°F to 1202°F
Range (Body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F (831H)	
IR Temp. Resolution	0.1°C/°F	
Distance to Spot size	12:1	
Emissivity	Adjustable 0.10~1.0	
Basic Accuracy	±2.0% of reading	
Response Time	Less than 1s	
Spectral Response	8-14µm	

Size(HxWxD): 170mm x 50mm x 85mm Weight: 238g
Accessories: 2x1.5V"AAA"batteries, Carrying case and Gift box.



Model 830



EMC
EN: 61326
EN: 60825-1





Model 8818V



Model 8859V

50 : 1 distance to spot size (8839V/8859V)

High Temperature 1600°C (2912°F)

- High 50 to 1 distance to target ratio measures smaller surface areas at greater distances (8839V/8859V)
- Widest temperature range from -50.0 to 1600°C /-58.0 to 2912°F (8859V)
- Unique flat surface, modern housing design
- Built-in laser pointer
- Automatic Data Hold
- Max, Min, DIF, AVG record
- High and low temperature alarm
- Adjustable emissivity
- 8818V/8819V Optical Resolution is 16:1 Distance to Spot size



EMC
EN: 61326
EN: 60825-1

Features	8818V	8819V	8829V	8839V	8859V
User selectable °C or °F	*	*	*	*	*
Laser targeting	*	*	*	*	*
Automatic Data Hold	*	*	*	*	*
Auto Power Off	*	*	*	*	*
Backlit LCD Display	*	*	*	*	*
Overrange indication	*	*	*	*	*
High Temperature	*	*	*	*	*
Max, Min, DIF, AVG record	*	*	*	*	*
High and low alarm	*	*	*	*	*
Adjustable emissivity	*	*	*	*	*
Trigger lock	*	*	*	*	*

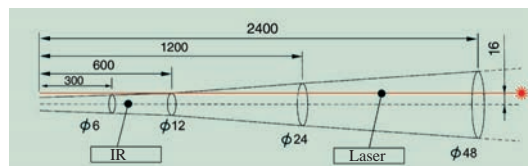
Specifications	8818V	8819V	8829V	8839V	8859V
Range	-50°C to 750°C (-58°F to 1382°F)	-50°C to 1000°C (-58°F to 1832°F)	-50°C to 1000°C (-58°F to 1832°F)	-50°C to 1000°C (-58°F to 1832°F)	-50°C to 1600°C (-58°F to 2912°F)
	16:1 Distance to Spot size	30:1 Distance to Spot size	30:1 Distance to Spot size	50:1 Distance to Spot size	
Emissivity	Adjustable 0.1~1.0				
Response Time	Less than 1 second				
Resolution	0.1° C/°F				
Basic Accuracy	± 1.5% of reading or ± 2°C/± 4°F				

Size(HxWxD): 220mm x 120mm x 56mm Weight: 290g

Accessories: 9V battery, Carrying case and Gift box

Distance (D) to Spot size(S)

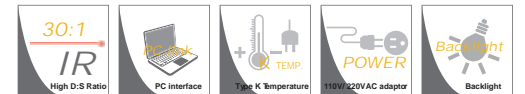
D:S=50:1



(Unit: mm)



8856 Infrared Thermometer provides fast, easy and accurate readings for most surface temperature measurements with Wireless USB Interface (RF 433MHz)



Features	
User selectable °C or °F	*
Built-in dual laser pointers focus target	*
Automatic Data Hold	*
Auto Power Off	*
White backlit LCD display	*
Fast response time 0.15 sec.	*
Trigger lock	*
Max, Min, DIF, AVG record	*
High and low alarm	*
Adjustable emissivity	*
Type K temperature measurement	*
High temperature	1050°C/1922°F
Wireless USB interface(RF 433MHz)	*
Optical resolution (Distance to Spot size)	30:1
Specifications	
IR Temp. Range	-50°C to 1050°C/ -58°F to 1922°F
IR Temp. Resolution	0.1° up to 2000°, 1° over 2000°
Optical Resolution	30:1 Distance to Spot size
Type K Temp. Range	-50°C to 1370°C/ -58°F to 2498°F
Type K Temp. Resolution	0.1° up to 2000°, 1° over 2000°
Response Time	Less than 150ms
Basic Accuracy	±1.5% of reading
Emissivity	Adjustable 0.10~1.0

- 30 : 1 distance to spot size
- IR thermometer with type K temperature measurement
- Dual laser pointers
- Wireless USB Interface(RF 433MHz)
- 20 Points Memory



Size(HxWxD): 180mm x 106mm x 48mm Weight: 250g

Accessories: 9V battery, Carrying case and Gift box, type K temperature probe, RF transmitter, power supply, tripod, CD Software.



DT-8830V/8833V/8835V Professional InfraRed Thermometers with Type K Input

Features	8830V	8833V	8835V
User selectable °C or °F	*	*	*
Laser targeting	*	*	*
Automatic Data Hold	*	*	*
Auto Power Off	*	*	*
White backlit LCD display	*	*	*
Overrange indication	*	*	*
Trigger lock	*	*	*
Max, Min, DIF, AVG record	*	*	*
High and low alarm	*	*	*
Adjustable emissivity	*	*	*
Type K temperature measurements	*	*	*
Max. temperature	500°C/ 932°F	800°C/ 1472°F	1050°C/ 1922°F
Optical resolution	13:1		30:1

Specifications	8830V	8833V	8835V
IR Temp. Range	-50 to 500°C -58 to 932°F	-50 to 800°C -58 to 1472°F	-50 to 1050°C -58 to 1922°F
Optical Resolution	13:1		30:1
IR Temp. Resolution	0.1°C/°F		
Type K Temp. Range	-50°C to 1370°C/-58°F to 2498°F		
Type K Temp. Resolution	0.1° up to 2000°, 1° over 2000°		
Response Time	Less than 1 second		
Basic Accuracy	±1.5% of reading		
Emissivity	Adjustable 0.10~1.0		

Size(HxWxD): 180mm x 106mm x 48mm Weight: 250g

Accessories: 9V battery, Carrying case, clamshell and type K temperature probe

8830V/8833V/8835V compact Infrared Thermometers provide fast, easy, and accurate readings for most surface temperature measurements with Type K Input and 20 Points Memory.

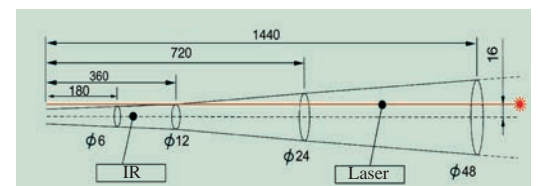
- IR Thermometer with Type K Input and 20 Points Memory

30 : 1 distance to spot size

Worldwide Patent:
PCT/CN2012/082197

Distance (D) to Spot size(S)

D:S=30:1



(Unit: mm)



EMC
EN: 61326
EN: 60825-1

Model 8835V





Worldwide Patent:
PCT/CN2012/082197



Model 8866



EMC
EN: 61326
EN: 60825-1

8866 compact Infrared Thermometer provides much faster, easy, and accurate readings for most surface temperature measurements.
Two laser points converge to a single spot when the unit is at the optimal distance from the object being measured.

Features	
User selectable °C or °F	
Dual laser targeting	
Automatic Data Hold	
Auto Power Off	
White Backlit LCD Display	
Overrange indication	
Trigger lock	
Max / Min display	
High and low alarm	
Adjustable emissivity	
800°C/1472°F High Temperature	
12:1 Optical Resolution (Distance to Spot size)	

Specifications	
IR Temp. Range	-35°C to 800°C -31°F to 1472°F
IR Temp. Resolution	0.1°C/°F
Optical Resolution	12:1 Distance to Spot size
Emissivity	Adjustable 0.10~1.0
Basic Accuracy	±1.0% of reading
Response Time	Less than 300ms
Spectral Response	8-14µm

Size(HxWxD): 160mm x 82mm x 42mm Weight: 177g
Accessories: 9V battery, Carrying case and Gift box

DT-880V/882V/883V Compact InfraRed Thermometers



Model 880V



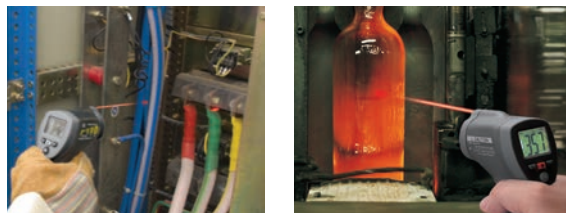
EMC
EN: 50081-1, 50082-1
EN: 60825-1

880V/882V/883V Compact IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects are easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlit scroll.

Features	880V	882V	883V
User selectable °C or °F	*	*	*
Laser targeting	*	*	*
Automatic Data Hold	*	*	*
Auto Power Off	*	*	*
White Backlit LCD Display	*	*	*
Overrange indication	*	*	*
Adjustable emissivity	*	*	*
Max / Min record	*	*	*
High Temperature	*	*	*
High and low alarm	*	*	*

Specifications	880V	882V	883V
Range	-50°C to 380°C -58°F to 716°F	-50°C to 500°C -58°F to 932°F	-50°C to 850°C -58°F to 1562°F
Optical Resolution (D:S)	12:1 Distance to Spot size		
Response Time	Less than 1 second		
Resolution	0.1°C/°F		
Basic Accuracy	± 2% of reading or ± 2°C/± 4°F		

Size(HxWxD): 160mm x 82mm x 42mm Weight: 177g
Accessories: 9V battery, Carrying case and Gift box.



Worldwide Patent:
PCT/CN2012/082197

8662/8663 series Infrared Dewpoint Temperature Detectors are very visible for wet and dry proof. The green LED light will change to yellow and red when reading close to Dewpoint Temperature. It provides faster sampling time and high accuracy, widely applied in steel, oil & chemical, stove, environment testing, calibration lab, gas production industry etc.

Features	8662	8663
User selectable °C or °F	*	*
Dual laser targeting	*	*
Automatic Data Hold	*	*
White Backlit LCD Display	*	*
Trigger lock for continuous use	*	*
Max display	*	*
Optical Resolution	12:1	20:1

Specifications	8662	8663
IR Temp. Range	-50°C to 260°C / -58°F to 500°F	-50°C to 380°C / -58°F to 716°F
IR Temp. Resolution	0.1°	
Emissivity	0.95	
Temp. Basic Accuracy	±1.0% of reading	
Response Time	Less than 150ms	
Spectral response	8-14µm	
Humidity	0~100% RH	
Humidity Accuracy	±2.5% RH(20%~80% RH)	
Dew Point Temp.	-30~100°C/ -22~199°F; Basic Accuracy: ±2.0% of reading	
Wet Bulb Temp.	-30~100°C/ -22~199°F; Basic Accuracy: ±2.0% of reading	

Size(HxWxD): 82mm x 58mm x 168mm
Weight: 163g
Accessories: 9V battery, Carrying case and Gift box.



Green LED Normal
Yellow LED Close to Dewpoint
Red LED Dewpoint

DT-8666/8666H Thermal Leak Detector with Audible Alarm

Features	8666	8666H
Optical Resolution	10:1	20:1
Threshold for light color transition(off, 1°F, 5°F, 10°F)	*	
Auto-set base temperature for reference	*	
Single laser targeting	*	*
Fixed Emissivity at 0.95	*	*
°C / °F Switchable	*	*
Beeper alarm, Green, Red & Blue light alarm: Normal, Higher & Lower temperature indications	*	*

Specifications	8666	8666H
Temperature Range	-35 to 800°C/-31 to 1472°F	*
Temperature Range	-50 to 380°C/-58 to 716°F	*
Temperature accuracy	±1.0% of reading ±2 °C/°F	*
Response Wavelength range	8-14um	*
Resolution	0.1°C/°F	*
Emissivity	Adjustable 0.10~1.0	Fixed at 0.95
Response Time	< 500ms	*

Size(HxWxD): 183mm x 131mm x37mm Accessories:
Weight: 220g 9V battery, Carrying case and Gift box.



Higher temperature Located with Red LED indicator
Normal Temperature with Green LED indicator
Lower temperature Located with blue LED indicator



8666/8666H Thermal Leak Detector is visible for higher/lower temperature. It permits targeted scanning to find higher/lower temperature with continuous audible alarm.



Model 8666

- High accurate measurements to 1.0%
- Fast response time 0.5sec
- White Backlit LCD Display

Model 8666H



EMC
EN: 61326
EN: 60825-1



Model IR-485

This is a four-probe high-precision thermometer, the temperature data can be transmitted through the RS485 communication. Using standard MODBUS communication protocol, multiple devices can be connected under the same RS485 line.

- Standard MODBUS communication protocol
- Four high accuracy thermometer probes inside
- Continuously and accurately measure the temperature of the eggshell to improve the quality of the chicks

Specifications	
IR temperature	Four probes
	Measuring range: 30.00-45.00°C
	Accuracy: 36.00-39.00C ±0.2°C 30.00-36.00C/ 39.00-45.00 ±0.3°C
	Resolution: 0.01°C
Communication (RS485)	RS485 communication
	An incubator can connect with 8-12 modules
	Two wire system (A,B), 12V output
	International standard-MODBUS protocol
	Baud rate 19200bps, 8-data bits+1- stop bit, No calibration
Operation environment	Data transmission: 2s/Group
	Operating temperature : 36-38.5°C
	Operating humidity: 40%-70%

Size(HxWxD): 82mm x 58mm x 168mm Weight: 63g
Accessories: DC 12V, Carrying case and Gift box.

DT-8865 InfraRed Temperature Finder with Audible Alarm



Worldwide Patent:
PCT/CN2012/082197

8665 Infrared Temperature Finder is visible for higher/lower temperature. It permits targeted scanning to find higher/lower temperature with continuous audible alarm. It provides faster sampling time and higher accuracy, widely applicable in industrial and environment field.



Model 8665

● Dual laser pointers

● 150ms faster sampling time
● 1% accuracy



Normal Temperature with Green LED indicator



Higher temperature Located with Red LED indicator



Lower temperature Located with blue LED indicator

- Targeted scanning for higher/lower temperature
- The position of higher/lower temperature can be precisely found
- Enables you to work with certainty for Fault diagnosis
- The Audible will alarm when temperature is changed with switchable audible of higher/lower temperature
- LCD display with new target graphics
- Easy keypad operation

Features	
T-Sound:	Changeable beeper indication by Temperature
User selectable	°C or °F
Dual laser targeting	
Automatic Data Hold	
Auto Power Off	
White Backlit LCD Display	
Overrange indication	
Trigger lock for continuous use	
Max/Min display	
20:1 distance to target ratio	measures smaller surface areas at greater distances
Green, Red & Blue backlight:	Normal, Higher & Lower temperature indications

Specifications	
IR Temp. Range	-50°C to 380°C -58°F to 716°F
IR Temp. Resolution	0.1°
Emissivity	Fixed at 0.95
Temp. Basic Accuracy	±1.0% of reading
Response Time	Less than 150ms
Spectral Response	8-14µm

Size(HxWxD): 82mm x 58mm x 168mm Weight: 163g
Accessories: 9V battery, Carrying case and Gift box.



EMC
EN: 61326
EN: 60825-1

869U 4-in-1 Thermometer features a non-contact IR Thermometer, UV Leak Detector, bright Flashlight, and a unique coaxial Distance-to-Spot laser.

869IR is the Professional Infrared 32x32 pixels Imager Thermometers with 2.0" color TFT LCD display, 32x32 pixels Imagers for capturing images(BMP) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements.

Features	869U	869IR
Non-contact IR Thermometer measures temperature up to 500°C (932°F)	*	
Programmable High/Low Temperature set points with audible and visual alarm	*	
Adjustable emissivity for better accuracy on different surfaces	*	
MAX/MIN/AVG/DIF displays	*	
Bright flashlight with 5 white LEDs	*	
Automatic data hold when trigger is released	*	
UV Leak Detector with 5 UV/Blue LEDs(460-470nm)	*	*
Coaxial laser displays a circular set representation of the target area	*	*
2.0 inch 240 x 320 TFT LCD display	*	*
32 x 32 pixel infrared sensor	*	*
Image capture frequency 7Hz	*	*
Thermal sensitive(NETD) <347mK	*	*
Cold hot spot automatic capture	*	*
Visible camera and image storage(BMP)	*	*
Internal memory stores images and can store more than 100pcs	*	*
Set the time and date and adjust the emissivity	*	*
USB interface connect the computer to check the photo	*	*
Complete with two AA batteries	*	*

Specifications	869U	869IR
IR Temperature	-50°C to 500°C (-58 to 932°F)	*
Resolution	0.1°C/°F	*
Accuracy	±1.5% rdg or ±3°F/±1.5°C whichever is greater	*
Distance to Target ratio	12:1	*
Emissivity	0.10 to 1.00 (Adjustable)	*
Repeatability	±0.8% rdg or ±2°F/±1°C whichever is greater	*
Imaging and optical data		
Thermal sensitivity (NETD)	0.10°C (0.18°F) @ 1Hz and 100°C	*
Detector data		
Detector type	Uncooled hyper-thin pyroelectric ceramic	*
Spectral range	8-14µm	*
IR temperature Measurement		
Object temperature range	-20°C to +600°C (-4°F to +1112°F)	*
Accuracy	±3°C (±5.4°F) or ±2% of reading	*
Spotmeter	Center spot	*
Emissivity adjustable	0.10-1.0 Adjustable	*
Field of View	39° x 39°	*
Color palettes	GREY/GREY IRON/ IRON/RAINBOW	*
Image storage format	Standard BMP, including measurement data, on drive > 100 pictures	*

Size(HxWxD): 195mm x 99mm x 51mm Weight: 252g
Accessories: 2x1.5V"AA"batteries, Type K Temp. probe, USB cable, Carrying case and Gift box



2.0" TFT Color LCD display

32x32 Pixels IR images



Model 869IR



EMC
EN: 61326-1
EN: 61010-1



Model 869U



CE
EMC
EN: 61326

Accuracy and traceability for infrared measurements

- Easy to increase your IR temperature measurement accuracy
- Calibrated radiometrically for meaningful, consistent results.
- Accurate, reliable performance from 35 °C to 500 °C
- Large target size of 152 mm (6 inch) is required for calibrating most thermometers.
- Intuitive, easy-to-read display that indicates when temperature is stable.
- Ethernet network interface

Specifications	
Temperature Range	35°C ~ 500°C/ (95°F ~ 932°F)
Accuracy	±0.5°C @ 100°C/ (±1.0°F @ 212°F)
	±1.8°C @ 500°C/ (±3.6°F @ 932°F)
Stability	±0.1°C @ 100°C/ (±0.2°F @ 212°F)
	±0.3°C @ 500°C/ (±0.6°F @ 932°F)
Target size	6" (152.4mm)
Target Emissivity	0.95
Resolution	0.01°C/°F up to 300°; 0.1°C/°F over 300°;
Heating Time	30 minutes to max
Cooling Time	40 minutes max to 100°C
Power	230 VAC (±10%), 1.5 A; or 110V AC, 3A

Model BXL-500P

Size(HxWxD): 180mm x 114mm x 233mm Weight: 2682g



TFT Color display with capacitive touch screen

BX-150 Dry-Well Temperature Calibrator

The new heat source to check your thermometer's accuracy up to 300°C/572°F. Simply set the heat source to the desired test point, insert the test probe into the best fitting well, and get a verification of the performance. It's easy!

Specifications	
Range	33°C to 300°C (91.4°F to 572°F)
Resolution	0.1°C/°F
Accuracy	±0.5°C (33 to 199°C) & ± 1°C (200 to 300°C)
	±0.9°F (91.4 to 390.2°F) & ± 1°F (392 to 572°F)
Stability	±0.5°C
Heating Time	ambient to 300°C (572°F) after 10 minutes
Cooling Time	300°C (572°F) to 100°C (212°F) after 10 minutes
Stabilization	5 minutes
Well Depth	4" (100mm)
Power	230/115 volts

CE
EMC
EN: 61326



Model BX-150

Size(HxWxD): 180mm x 114mm x 233mm Accessories: Box, AC power cable.
Weight: 2200g

BX-350/BX-500/BXC-15 portable IR calibrators are used for calibrating long distance Infrared Thermometer, which are designed as handhold and small calibrators.

Specifications			
	BX-350/350Y	BX-500	BXC-15
Temperature Range	50°C ~ 350°C (122°F ~ 662°F)	50°C ~ 500°C (122°F ~ 932°F)	-15°C ~ 120°C (5°F ~ 248°F)
Accuracy	±0.5°C @ 100°C (±1.0°F @ 212°F)	±0.5°C @ 100°C (±1.0°F @ 212°F)	±0.40°C at -15 to 0°C
	±1.2°C @ 350°C (±2.4°F @ 662°F)	±1.8°C @ 500°C (±3.6°F @ 932°F)	±0.50°C at 0 to 100°C
Stability	±0.1°C @ 100°C (±0.2°F @ 212°F)	±0.1°C @ 100°C (±0.2°F @ 212°F)	±0.55°C at 100 to 120°C
	±0.2°C @ 350°C (±0.4°F @ 662°F)	±0.3°C @ 500°C (±0.6°F @ 932°F)	±0.1°C @ 100°C (±0.2°F @ 212°F)
Target size	2.25" (57mm)	2.25" (57mm)	3.26" (83x83mm)
Target Emissivity	0.95	0.95	0.95
Resolution	0.1°C/°F	0.1°C/°F	0.01°C/°F up to 300°; 0.1°C/°F over 300°;
Heating Time	30 minutes to max	40 minutes to max	15 min: 120°C to 23°C
Cooling Time	30 minutes max to 100°C	45 minutes max to 100°C	15 min: 23°C to -15°C
			20 min: 23°C to -15°C
Power	230 VAC (±10%), 1.5 A; or 110V AC, 3A		

The BXC-15 reaches temperatures from -15 °C to 120 °C



Model BXC-15

CE
EMC
EN: 61326



Model BX-350/500

Whether you're using in-line or handheld infrared pyrometers, you need a high performance calibration standard to verify accuracy. Portable IR Calibrator provides a stable blackbody target for calibrating non-contact IR thermometers up to 500°C (BX-500).

The portable IR calibrator features a large temperature controlled blackbody target with a diameter of 2.25" (57 mm), which offers a wide field of view area for optical variations in IR thermometers. With an emissivity of 0.95, the isothermal target can be controlled in set-point increments of 0.1° from 50°C to 500°C (BX-500)

For even higher precision, a contact calibration well is located directly behind the blackbody surface. Using an optional digital RTD thermometer and calibrated secondary probe, accuracies of ±0.1°C can be achieved.

Size(HxWxD): 180mm x 114mm x 233mm Weight: 2682g
Accessories: Carton box, AC power cable.



BX-25/35 Temperature Calibrator

BX-25 temperature calibrator provides stable environment temperature compensation to calibrate the Infrared Thermal Imager on the spot.

BX-35 temperature calibrator supports temperature calibration for the Infrared Thermal Imager on the spot.

Specifications		
	BX-25	BX-35
Temperature Range	15°C ~ 35°C (122°F ~ 662°F)	15°C ~ 60°C (122°F ~ 932°F)
Accuracy	±0.5°C @ 100°C (±1.0°F @ 212°F)	±0.5°C @ 100°C (±1.0°F @ 212°F)
	±1.2°C @ 350°C (±2.4°F @ 662°F)	±1.2°C @ 350°C (±2.4°F @ 662°F)
Stability	±0.1°C @ 100°C (±0.2°F @ 212°F)	±0.1°C @ 100°C (±0.2°F @ 212°F)
Target size	2.25" (57mm)	2.25" (57mm)
Target Emissivity	0.95	0.95
Resolution	0.1°C/°F	0.1°C/°F
Heating Time		10 minutes to max
Cooling Time		45 minutes max to 100°C
Power	230 VAC (±10%), 1.5 A; or 110V AC, 3A	

Size(HxWxD): 91mm x125mm x 125mm (BX-25), 200mmx125mmx125mm(BX-35)
Weight: 1600g
Accessories: Box, AC power cable.

CE
EMC
EN: 61326



Model BX-25



Model BX-35

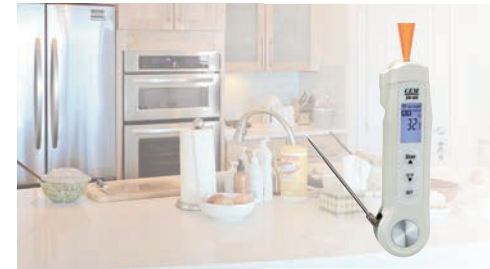
Food Safety Check

A varied selection of products for controlling food safety can help you meet with your HACCP requirements effortlessly - and enables you to be sure you are storing and processing food safely. Our measuring technology includes data loggers, thermometers, cooking oil testers, pH measuring instruments and lots more.



Food Safety Meters Selection Guide

2 in 1 Food Safety Infrared Thermometer



The IR-95 Food Safety infrared and contact thermometer for surface scans with a probe thermometer and alarm monitoring for internal temperature readings.

Professional BBQ Thermometers



The 162W/163W professional wireless BBQ thermometer measures the core temperature of grilled food, transmits it wirelessly to a portable display, signals its doneness and gives an acoustic and visual alarm when the cooking time is about to be exceeded.

Food Safety type-K Thermometer



The 270KT Food safety type-k thermometer in the food sector, cooling chain compliance has to be checked and verified. The ambient conditions may also have an influence on product quality. This makes continuous monitoring of temperature and relative humidity in the warehouse essential.

Deep-frying Oil Tester



The 70 is a handy measuring instrument for fast testing of cooking oils. It can display the temperature of the cooking oil and TPM value. The TPM value (total polar materials) enables a statement on the ageing of cooking oils due to the effects of heat.

Pen type Thermometers



The 133A contact thermometer offers fast response and laboratory accuracy. The thermometer offers 0.1°C/0.1°F resolution over the entire measurement ranges. A rugged holster protects the model.

IP65 waterproof

500ms faster sampling time



EMC
EN: 61326
EN: 60825-1



HACCP approved
Model IR-95



The IR-95 Food Safety infrared and contact thermometer for surface scans with a probe thermometer and alarm monitoring for internal temperature readings.

Features

- Built-in fold-out probe for measuring internal food temperatures
- Probe temperature range -40 to 230 °C
- High and low alarm
- Backlit display for clear readings in poorly lit areas
- IP65 waterproof
- Mini modern housing design
- Flashlight

Specifications

IR Temp. Range	-40°C to 280°C/-40°F to 536°F
Response Time	Less than 500ms
Distance to Spot size	4:1
Thermistor Temperature Range	-40°C to 230°C/-40°F to 446°F
Emissivity	Fixed at 0.97
Resolution	0.1°C/°F
Basic Accuracy	±1.0% of reading

Size(HxWxD): 50mm x67mm x 185mm Weight: 180g
Accessories: 2X1.5V "AAA" batteries, Clamshell.

IR-97 Food Safety Infrared Thermometer



EMC
EN: 61326
EN: 60825-1

Model IR-97



The IR-97 Food Safety infrared non-contact thermometer for surface scans with a probe thermometer for internal temperature readings. An integrated countdown timer with alarm monitors line checks as well as cooking and cooling intervals.

Features

- Built-in fold-out probe for measuring internal food temperatures
- Probe temperature range -40 to 200 °C
- Countdown timer to monitor cooking, cooling and HACCP exposure times
- Backlit display for clear readings in poorly lit areas
- MAX temperature displayed for quick reference

Specifications

IR Temp. Range	-40°C to 280°C/-40°F to 536°F
Response Time	Less than 500ms
Distance to Spot size	20:1
Emissivity	Fixed at 0.97
Thermistor Temperature Range	-40°C to 200°C/-40°F to 392°F
Resolution	0.1°C/°F
Basic Accuracy	±1.0% of reading

Size(HxWxD): 50mm x67mm x 185mm Weight: 180g
Accessories: 9V battery, Clamshell.

IP65 waterproof

500ms faster sampling time



EMC
EN: 61326
EN: 13485
EN: 60825-1

Model IR-98H
HACCP approved

The IR-98H Food Safety infrared and contact thermometer is for surface scans using IR and with a probe thermometer for internal temperature readings. An integrated countdown timer with alarm monitors line checks as well as cooking and cooling intervals.

Features

- Built-in fold-out probe for measuring internal food temperatures
- Probe temperature range -40 to 200 °C
- Countdown timer to monitor cooking, cooling and HACCP exposure times
- Backlit display for clear readings in poorly lit areas
- MAX temperature displayed for quick reference

Specifications

IR Temp. Range	-40°C to 280°C/-40°F to 536°F
Response Time	Less than 500ms
Distance to Spot size	20:1
Emissivity	Fixed at 0.97
Thermistor Temperature Range	-40°C to 200°C/-40°F to 392°F
Resolution	0.1°C/°F
Basic Accuracy	±1.0% of reading

Size(HxWxD): 26mm x40mm x 238mm
Weight: 180g
Accessories: 2x1.5V AAA batteries, Clamshell.



DT-160/161 Waterproof Folding Thermometer

The 160/161 is a waterproof folding thermometer which offers handy, practical and strong support when carrying out temperature measurements. The thermometer features IP67 class protection and can be used under all conditions. It can also be easily cleaned under running water and has a rubber-coated surface for non-slip handling. The 161 has a large, illuminated display for easy and error-free viewing of measurement data under poor lighting conditions.

- Compact 5.9" size (15 cm)
- Ideally suited to core temperature measurements
- IP67 protection
- Non-slip rubber coated surface
- Large, illuminated readout display
- ABS/TPE/Metal housing



EMC
EN: 61326
EN: 13485
EN: 60825-1

Model 161
HACCP approved

Features

Measuring temperature range	-50 to 300°C / -58 to 572°F (161) -50 to 260°C / -58 to 500°F (160)
Accuracy	±2°C / ±3.6°F (-50 to -20°C / -58 to -4°F) ±1°C / ±1.8°F (-20 to 100°C / -4 to 212°F) ±1% (100 to 300°C / 212 to -572°F)
Resolution	0.1°C / 0.1°F
Battery	2 x 1.5V "AAA" batteries / 800 hr battery life
Material/Housing	ABS

Size(HxWxD): 150mm x 45mm x 20mm Accessories :
Weight: 50g 2 x 1.5V "AAA" batteries, Clamshell



Probe is suitable for various field test



Solid metal surface



Compact size



IP67 waterproof





EMC
EN: 61326
EN: 60825-1

HACCP approved

162W/163W professional wireless BBQ thermometer measures the core temperature of grilled food, transmits it wirelessly to a portable display, signals its doneness and gives an acoustic and visual alarm when the cooking time is about to be exceeded. A temperature probe measures the temperature of the grilled or pan-fried food, while the transmitter sends the data to the portable receiver over a distance of up to approx. 30m. The receiver features an acoustic voice output in five languages. The temperature can be displayed in °C or °F. The stainless steel temperature probe can be disassembled from the transmitter for easy cleaning.

162 BBQ thermometer is with single measuring probe.
162W wireless BBQ thermometer is with single measuring probe.
163W wireless BBQ thermometer is with dual measuring probes.

Features

	162	162W	163W
Food and cooking temperature of the wireless transmission functions/Transmitter range		433MHz/30m	433MHz/30m
Probe measurement	Single	Single	Dual
LED for signal indication	*	*	*
Temperature and Time gauge alarm functions	*	*	*
Food type and taste level selection	*	*	*
Food, temperature and time display	*	*	*
°C/°F temperature selection	*	*	*
Backlight function	*	*	*
Power supply	2x1.5V AAA	2x1.5V AAA	2x1.5V AAA

Specification

Temperature range	-40 to 230°C / -40 to 446°F
Temperature accuracy	±1% ±1°C / ±1% ±1.8°F

Size(HxWxD): 105mm x 58mm x 30mm
Weight: 350g



EMC
EN: 61326
EN: 60825-1

HACCP approved



Model: 162



Model: 162W



Model: 163W

IR-92/93 Series Non-contact Infrared Thermometers can be used to measure the temperature of objects' surface that is improper to be measured by traditional (contact) thermometer (such as moving object, the surface with electricity current or the objects which are uneasy to be touched.)



Features

	IR-92	IR-93
User selectable °C or °F	*	*
Laser targeting	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
Overrange indication	*	*
For food	*	*

Specifications

	IR-92	IR-93
Temperature Range	-35 to 300°C/-31 to 572°F	-18 to 300°C/ 0 to 572°F
D:S	4:1	8:1
Temperature accuracy	Blow 39°F (4°C) ±3.6°F (2°C) 39 to 150°F (4 to 65°C) ±2°F (1°C) Above 149°F (65°C) ±(1%+2°F(1°C)) of reading.	±3.6°F(2°C) or ±2% of reading
Response Wavelength range	8-14um	
Resolution	0.1	
Emissivity	Fixed at 0.97	Fixed at 0.95
Response Time	About 150ms	
Laser wavelength	630-660nm	
Laser class	Class 2	
Low power indication	Yes	

Size(HxWxD): 186mm x45mm x 38mm
Weight: 190g

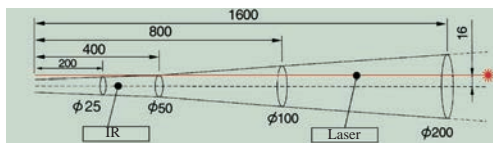
Accessories:
9V battery, Clamshell.



EMC
EN: 61326
EN: 60825-1

Model IR-92

Distance (D) to Spot size(S)
D:S=8:1



(Unit: mm)

IR-96 Food Safety IR Thermometer with thermistor probe



EMC
EN: 61326
EN: 60825-1

Features

- User selectable °C or °F
- Data Hold & Auto Power Off
- Overrange indication
- Max, Min record
- IR with probe temperature

Specifications

IR Temp. Range	-35°C to 260°C/ -31°F to 500°F
IR Temp. Resolution	0.1°C/°F
Optical Resolution	1:1 Distance to Spot size
Emissivity	Adjustable 0.10~1.0
Thermistor Temperature Range	-40°C to 260°C/ -40°F to 500°F
Resolution	0.1°C/°F
Response Time	Less than 1 second
Basic Accuracy	±2% of reading

Size(HxWxD): 140mm x 42mm x 25mm
Weight: 80g
Accessories: CR2032 Button battery, Clamshell.

Model IR-96



DT-880B Food Thermometer with Red/Green LED indication



EMC
EN: 61326
EN: 60825-1

- High Accuracy for food temperature measurement.
- Set alarm & Sound alarm if temperature is exceeded.
- Digital LCD display with backlit.
- Data displayed in Celsius or Fahrenheit.
- Auto power off (energy saver).
- Small, convenient, easy to use.

Specifications

Surface Temp.range	-50.0 to 200°C(-58°F to 392°F)
Basic Accuracy	±0.3°C/±0.6°F at 30°C~40°C/ 86°F~104°F Range
Optical Resolution	8:1 Distance to Spot size
Resolution	0.1°C/F
Response Time	Less than 1 second
Emissivity	Fixed at 0.95

Size(HxWxD): 160mm x 82mm x 42mm
Weight: 177g
Accessories:
9V battery, Carrying case and Gift box.

Model 880B

The 270KT Food safety type-k thermometer in the food sector, cooling chain compliance has to be checked and verified. The ambient conditions may also have an influence on product quality. This makes continuous monitoring of temperature and relative humidity in the warehouse essential.

Specifications

	DT-270KT	DT-270GT
Room Temp		
Temp range	-40 to 70°C	-20 to 75°C
Temp accuracy	±1.0°C	±0.5°C (0°C-60°C), ±0.7°C (residual range)
Resolution	0.1°C	0.1°C
Humidity range	0 to 100%RH	
Humidity accuracy	±3% RH(10% RH to 90% RH), ±4.5% RH(residual range)	
Resolution	0.1%RH	
External probe		
	Temp K	Temp and Humidity probe
Range	-50 to 350°C	-40 to 85°C, 0 to 100%RH
Accuracy	0.15%rgd+1.0°C	±0.5°C (0 to 60°C), ±0.7°C (residual range) ±3% RH(10% RH to 90% RH), ±4.5% RH(residual range)
Resolution	0.1°C(-99.9 to 999.9°C) 1°C(residual range)	0.1°C 0.1%RH
Protection class	IP54	IP67
Measurement rate	1 sec to 60 min (1 sec default)	
Communication rate	5min to 1hour (5 min default)	
Memory	4,070 readings/channel	
Battery life	12h at 25°C 5min Communication cycle, 2sec Measurement rate	45 day at 25°C 30 min Communication cycle, 2sec Measurement rate
Voltage supply	4 x AA batteries Micro USB for temperatures below -10°C(14°F) please use Energizer batteries	4 x AA batteries USB type-C for temperatures below -10°C(14°F) please use Energizer batteries
Communication interface	WiFi(2.4GHz,IEEE 802.11 b/g/n)	4G LTE Cat 1(LTE-FDD: B1/B3/B5/B8,LTE-TDD: B34/B38/B39/B40/B41,GSM: 900/1800 MHz)

Size(HxWxD): 68mm x 108mm x 35mm Weight: 172g
Accessories: Li-ion battery, charger, adaptor and gift box.

IR-100 2 in 1 Food Safety Infrared Thermometer

IR-100 2 in 1 Food safety Infrared Thermometer with a platinum probe is a fully integrated temperature measuring device for managing HACCP and inspection programs for retail and food service organizations. It is with bluetooth for a mobile application, cloud-based enterprise server and easy to read the temperature shown on the smartphone by APP.

Features

- 2 in 1 Food safety Infrared Thermometer with a platinum probe
- Manage Food Quality and HACCP
- Platinum probe for high accurate measurement
- Infrared thermometer for surface temperature scanning
- LED indication for cold and hot food temperature
- Data Hold & Auto Power Off
- Overrange indication
- Max, Min record
- User selectable °C or °F
- Bluetooth Interface and Andriod/iOS APP software
- Rechargeable Li-ion battery with charger

Specifications

IR Temp. Range	-40°C to 300°C/ -40°F to 572°F
IR Temp. Resolution	0.1°C/°F
Optical Resolution	2:1 Distance to Spot size
Emissivity	Fixed at 0.95
Platinum Thermistor Temperature Range	-40°C to 250°C, -40°F to 482°F
Resolution	0.1°C/°F
Response Time	Less than 1 second
Basic Accuracy(Platinum Thermistor)	±0.6°C/ ±1.1°F

Size(HxWxD): 176mm x 55mm x 41mm Weight: 210g
Accessories: Li-ion battery, charger, adaptor and gift box.



EMC
EN: 61326
EN: 60825-1



Model: IR-100



EMC
EN: 61326
EN: 60825-1



Model 270KT





EMC
EN: 61326
EN: 60825-1



High Quality Sensor

Model 70

DT-70 is a handy measuring instrument for fast testing of cooking oils. It can display the temperature of the cooking oil and TPM value. The TPM value (total polar materials) enables a statement on the ageing of cooking oils due to the effects of heat.

Features

- Display the temperature of the cooking oil: Indicator for correct setting of the deep fat fryer, checking of integrated temperature displays.
- Display the TPM value: Indicator for the aging of the cooking oil.
- The sensor works on a capacitive basis and determines as the reading the total polar materials as a %.

Specifications

Measuring range	Temperature: 40 to 200°C; (104 to 392°F) TPM: 0 to 40%
Accuracy	Temperature: ±1.5°C TPM: ±2%
Resolution	Temperature: 0.1°C TPM: 0.5%
Battery life	approx 25h of continuous operation (corresponds to 500 measurements)
Operating temperature	0 to 50 °C
Storage/transport temperature	-20 to 70 °C
TPM response time	< 30s
Protection class	IP68

Size(HxWxD): 365mm x 48mm x 26mm

Weight: 248g

Accessories: 2x1.5V“AAA”batteries, Carrying case and Gift box.



The contact thermometers offer fast response and laboratory accuracy. These thermometers offer 0.1°C/0.1°F resolution over the entire measurement ranges. A rugged holster protects both models.

- Easy to use: Remove the protective sheath, press the ON/OFF button and insert into the testing area.
- LCD screen shows readings in Fahrenheit or Celsius
- 132 is pen type humidity & temperature meter

High Accuracy

Faster Reaction time 6s (133A)



EMC
EN: 61326
EN: 60825-1

Features

	130	130A	131/133	131A	132	133A	133B
User Selectable °C or °F	*	*	*	*	*	*	*
Resolution 0.1°C/0.1°F	*	*	*	*	*	*	*
Sampling time 2.0 seconds	*	0.5S	*	0.5S	*	0.5s	0.5s
Reaction time	10s	6s	10s	6s	10s	6s	6s
LCD display	*	*	*	*	*	*	*
Max / Min Hold and Data Hold			*		*	*	Data Hold
Auto Power Off	*	*	*	*	*	*	*
Humidity & Temperature measurement	Temp.	Temp.	Temp.	Temp.	*	Temp.	Temp.
2.0mm Diameter probe shaft tip		*		*		*	*
Backlight							*

Specifications

Function	Range	Basic Accuracy	130A	131A	133A	130	131/133	132	133B
Temperature	-40~250°C/482°F	±1.5%				*	*	*	*
	-40~200°C/392°F	±1.0%	*	*	*				
Humidity	10%RH~95%RH	±3.5%						*	

Size(HxWxD): 130:150mm x 40mm x 28mm
131/132/133:211mm x 32mm x 19mm
133B: 192mmx30mmx22mm

Weight: 130:19g
131/132/133:35g
133B: 50g

Accessories :
One LR44(1.5V) button battery and clamshell.



Model 133B

Model 133A



Model 132

Model 130



Model 133

Model 131

- 300ms quickest sampling time with 1.5% accuracy (IR-65B)
- Easy to use : hold it within two feet of the area to be measured and push the button
- Large LCD screen shows readings in Fahrenheit or Celsius
- Range: -35 to 250°C/-31 to 482°F (IR-65B)
- Compact size design for the ultimate in convenience and portability
- World smallest & IP rating 67 (IR-67/67B)

1.5% Accuracy (IR-65B)

Model IR-65



EMC
EN: 61326
EN: 60825-1



World smallest



Model IR-67B

Features	IR-65	IR-65B	IR-67	IR-67B
User selectable °C or °F	*	*	*	*
Automatic Data Hold	*	*	*	*
Auto Power Off	*	*	*	*
Low battery indication	*	*	*	*
Lock function	*	*	*	*
Set Min, Max	*	*		
Fast sampling time	<1s	300ms	<1s	<1s
Housing material	Plastic	Plastic	Plastic	Metal
High accuracy		1.5%		1.5%

Specifications	IR-65	IR-65B	IR-67	IR-67B
Range	-35°C~230°C/ -31°F~446°F	-35°C~250°C/ -31°F~482°F	-35°C~230°C/ -31°F~446°F	-35°C~250°C/ -31°F~482°F
Response Time	Less than 1 second	Less than 1 second	Less than 1 second	Less than 1 second
Basic Accuracy	±2% or ±2°C/±4°F	±1.5% or ±2°C/±4°F	±2% or ±2°C/±4°F	±1.5% or ±2°C/±4°F
Optical Resolution	1:1			
Emissivity	Fixed at 0.95	0.1 to 1 (adjustable)	Fixed at 0.95	
Resolution	0.1°C/°F			

Size: 80mm x 40mmx25mm (IR-65/65B)

100mm x 25mm(IR-67/67B)

Weight: 36g (IR-65/65B) 33g(IR-67/67B)

Accessories : One CR2032 button battery & Clamshell (IR-65/65B)

Two LR44(1.5V) button batteries, Clamshell (IR-67/67B)



≤100°C Green backlight



>100°C Red backlight



Features	IR-66	IR-66B
User selectable °C or °F	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
Low battery indication	*	*
Lock function	*	*
Set Min, Max	*	*
Fast sampling time	<1s	300ms
High accuracy		1.5%

Specifications	IR-66	IR-66B
Range	-35°C~230°C/ -31°F~446°F	-35°C~250°C/ -31°F~482°F
Response Time	Less than 1second	Less than 300ms
Basic Accuracy	±2% or ±2°C/±4°F	±1.5% or ±2°C/±4°F
Optical Resolution	1:1	
Resolution	0.1°C/°F	
Emissivity	Fixed at 0.95	

Size(HxWxD): 75mm x 40mm x 20mm

Weight: 33g

Accessories :

One CR2032 button battery, Carrying Case & Clamshell

- 300ms quickest sampling time with 1.5% accuracy (IR-66B)
- Easy to use : hold it within two feet of the area to be measured and push the button
- Large LCD screen shows readings in Fahrenheit or Celsius
- Range: -35 to 250°C/-31 to 482°F
- Compact size design for the ultimate in convenience and portability

1.5% Accuracy (IR-66B)

300ms faster sampling time (IR-66B)



EMC
EN: 61326
EN: 60825-1



Model IR-66



Model IR-66B

IR-77H/88/88H/88G series Pocket InfraRed Thermometers with Laser Pointer

The IR-77H/88/88H series Pocket InfraRed Thermometers are new models designed with lower cost. Check all types of A/C and heating systems. Monitor performance of appliances such as refrigerator, dishwasher, freezer and oven. Ensure proper cooking, grilling and storage temperatures.

- Built-in laser pointer identifies target area
- 6:1 Distance to Spot size ratio
- Data Hold and Max Hold (IR-88/88H)
- Fixed emissivity 0.95 covers 90% of surface applications
- Adjustable Emissivity (88H/88G)
- 0.1° resolution (88H)
- Lock for continuous use (88H)
- Programmable alarm setpoint (88H)

- Laser Pointer
- Measure up to 270°C/518°F

- 6:1 Distance to Spot
- Adjustable Emissivity (88H)

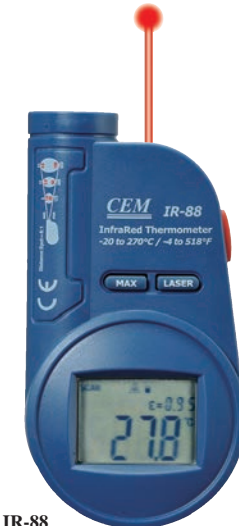
Specifications	IR-77H	IR-86/IR-87/IR-88	IR-88H	IR-88G
Range	-30°C~270°C/ -22°F~518°F	-20°C~270°C/ -4°F~518°F	-20°C~270°C/ -4°F~518°F	-20°C~500°C/ -4°F~932°F
Response Time	Less than 1 second			
Resolution	0.1°C/°F			
Basic Accuracy	±2% or ±2°C/±4°F			
Optical Resolution	6:1			
Emissivity	Fixed at 0.95	Fixed at 0.95	0.1 to 1 (adjustable)	0.1 to 1 (adjustable)
Battery	1.5V AAA battery x 2			

Size(HxWxD): IR-77H: 97mm x 57mm x 29mm

Weight: 81g

Accessories :

Two "AAA" Batteries and Clamshell.



Model IR-88



Model IR-77H





Features	IR-98	IR-99
User selectable °C or °F	*	*
Data Hold & Auto Power Off	*	*
Overrange indication	*	*
Max, Min record	*	*
IR with probe temperature	*	*
IR with probe & clamp temperature		*

Specifications	IR-98	IR-99
IR Temp. Range	-35°C to 260°C/ -31°F to 500°F	*
IR Temp. Resolution	0.1°C/°F	*
Optical Resolution	1:1 Distance to Spot size	*
Emissivity	Adjustable 0.10~1.0	*
Thermistor Temperature Range	-40°C to 260°C/ -40°F to 500°F	*
Resolution	0.1°C/°F	*
Clamp Temperature Range	-40°C to 200°C/ -40°F to 392°F	*
Response Time	Less than 1 second	*
Basic Accuracy	±2% of reading	*

Size(HxWxD): 140mm x 42mm x 25mm (IR-98) Weight: 80g
 Size(HxWxD): 183mm x 52mm x 25mm (IR-99) Weight: 109g
 Accessories: CR2032 Button battery, Clamshell.

IR-15 2 in 1 InfraRed Thermometer & Pressure Temperature Chart



2 in 1 Digital Infrared Thermometer with pressure temperature chart offers fast and accurate IR temperature or temperature references on a large easy-to-read LCD display.

- Rugged, double molded case
- Easy to chart the references of freezing devices

Specifications	
IR Temp. Range	-30 to 500°C/-22 to 932°F
Response Time	Less than 300 ms
Basic Accuracy	±1.5% or ±2°C/±4°F
Optical Resolution	13:1
Resolution	0.1°C/°F
Emissivity	Fixed at 0.95

Size(HxWxD): 154mm x 61mm x 46mm Weight: 190g
 Accessories : 9V battery, gift box with carrying case.

AC-8T 2 in 1 InfraRed Thermometer & Non-contact AC Voltage



2 in 1 Infrared Thermometer with Non-contact AC Voltage(NCV) provides easy and safety measurement. Check all types of A/C, electronic and heating systems.

Specifications (IR thermometer)	
IR Temp. Range	-35°C~230°C (-31°F~446°F)
Response Time	Less than 1second
Basic Accuracy	±2% or ±2°C/±4°F
Optical Resolution	1:1
Resolution	0.1°C/°F
Emissivity	Fixed at 0.95
Specifications (NCV)	
Standard	CAT III 1000V
Operating Range	VoltFinder: 100 ~ 1000V AC; 200 ~ 1000V AC (European standard)

Size(HxWxD): 158mm x 21mm x 25mm Weight: 34g
 Accessories : Two "AAA" batteries, clamshell

IR-2G 2 in 1 InfraRed Thermometer & Flash Memory



Specifications	
IR Temp. Range	-35°C~230°C (-31°F~446°F)
Response Time	Less than 1second
Basic Accuracy	±2% or ±2°C/±4°F
Optical Resolution	1:1
Resolution	0.1°C/°F
Emissivity	Fixed at 0.95
Flash memory	2G bits

Size(HxWxD): 102mm x 35 x 20mm Weight: 48g
 Accessories: Two "AAA" batteries, Clamshell.

Features	
User selectable °C or °F	
Automatic Data Hold	
Low battery indication & Auto Power Off	
Set Min, Max, Lock	

Specifications	
Range	-35°C~900°C/ -31°F~1652°F
Response Time	Less than 500ms
Resolution	0.1°C/°F
Basic Accuracy	±1.5% or ±2°C/±4°F
Optical Resolution	50:1 Distance to Spot size
Emissivity	0.1 ~ 1.0 (adjustable)
Power	230 VAC (±10%), 0.1 A, switchable 50/60 Hz or 12 ~24 DCV

Size(HxWxD): 71mm x 71mm x 87mm Weight: 268g
 Accessories :Stand, Cable and Gift box .

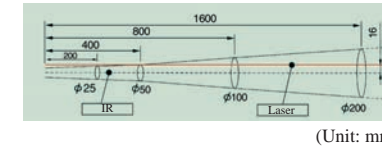


IR-82 InfraRed Thermometer Probe

- 8:1 Distance to Spot size ratio
- Built-in laser pointer
- Built-in Analog output of 1 mV/°C or °F & °C/°F switchable
- Compatible with multimeters, clamp meters, oscilloscope and industrial applications etc
- Ideal for applications where object being measured cannot be touched
- Provides instant , highly repeatable readings & Low battery indication

Specifications	
Range	-35°C to 550°C/ -31°F to 1022°F
Response Time	Less than 500ms
Resolution	1mV/°C or °F
Basic Accuracy	±2% or ±2°C/±4°F
Optical Resolution	8:1
Emissivity	Fixed at 0.95
Battery	9V

Distance (D) to Spot size(S)
 D:S=8:1



Size(HxWxD): 166mm x 53mm x 40mm Weight: 189g
 Accessories : 9V battery, Clamshell



8811 Series and IR-68 Multifunction InfraRed Thermometers

Features	8811H/8811	8812H/8812	IR-68
16"Gooseneck detector			*
User selectable °C or °F	*	*	*
Laser targeting	*	*	*
Automatic Data Hold	*	*	*
Audible and visible Overrange indication	*	*	*
Auto Power Off	*	*	*
Backlit LCD Display	*	*	*
Low battery indication	*	*	*
Wide range	*	*	*
Automatic range	*	*	*

Features	8811H	8812H	IR-68
Range	-20°C to 500°C/ -4°F to 932°F	-50°C to 650°C/ -58°F to 1202°F	-50°C to 600°C -58°F to 1112°F
Response time	Less than 1 second.	Less than 1 second.	Less than 1 second.
Resolution	0.1° up to 200°, 1° over 200°	0.1° up to 200°, 1° over 200°	0.1° up to 200°, 1° over 200°
Basic Accuracy	± 2% of reading or ±2°C/±4°F	± 2% of reading or ±2°C/±4°F	± 2% of reading or ±2°C/±4°F
Optical resolution	8:1 Distance to Spot size	8:1 Distance to Spot size	8:1 Distance to Spot size
Emissivity	Fixed at 0.95	Fixed at 0.95	Fixed at 0.95

Size(HxWxD): 159mm x 79mm x 57mm Weight: 180g
 Accessories: 9V battery, Clamshell or gift box with carrying case



Healthcare Screening Solution



Healthcare Screening Solution



Automatic infrared thermal imaging temperature measurement warning system

AI-2031/2031S combines infrared human temperature measurement algorithm and AI intelligent face recognition and other advanced technologies. It has accurate temperature measurement with simple and convenient operation. It is suitable for monitoring large areas of people in public places, quickly find and track people who have overheated temperature and help in troubleshooting human fever symptoms.



AI Face Recognition Temperature Measuring Integrated Machine

AI-321 The traditional infrared temperature measurement and AI face recognition are effectively combined. The user can determine and record the user's identity and user's temperature data within 1 second before the device. Once the body temperature exceeds the normal value, it will automatically alarm and prohibit passage. At the same time the high temperature will be emailed to the administrator.



AI Intelligent Screening Infrared Camera

9897Y HD thermal imaging 384 x 288 resolution, over 37.3°C automatic snap alarm, 20ms rapid temperature measurement, up to 10 people for temperature measurement, automatically monitor the number of people, ±0.5°C high-precision temperature measurement mode. Deploying this product in public places can automatically achieve temperature measurement for long distances, large areas, and large passenger flows.



Thermal Imager with Rapid Surface Temperature Screening

979Y/874Y infrared thermal imager with surface temperature rapid screening, infrared resolution 160x120, 25Hz high image frame frequency, temperature measurement accuracy ±0.5°C, temperature measurement range 32°C~42°C, it can be handheld or installed on tripod.



Surface temperature rapid screening thermal imager

870YS supports an external tablet with large screen, which can achieve simultaneous temperature measurement by multiple people in the public place when checking the fever personnel. Using the thermalguard software pre-installed on the pad, you can directly read the measurement data, the number of people, and the number of temperature more than 37.3°C on the big screen. In the screening mode, the measurement range is 35°C~42°C, and the measurement accuracy is ±0.5°C.



Clinical Forehead Infrared Thermometers with 32 readings memory

8806H/8806U/8806R/8816H Clinical Forehead Infrared Thermometers ensure accurate and stable body temperature readings. From a distance of around 5cm, all you have to do is pointing it towards the forehead to read the temperature shown on the LCD screen.



Non-Contact Clinical Forehead InfraRed Thermometers

8807 Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature. It is with high precise and can be set alarm value and sound alarm.



Non-Contact Pocket Clinical Forehead InfraRed Thermometer with Bluetooth

Leyu1/Leyu2/Leyu3 are pocket Clinical Forehead Infrared Thermometers, which ensures accurate and stable body temperature readings and transfer the measuring datas to the smart phone by bluetooth. **Leyu2** shows temperature readings by white LED display. **Leyu3** shows temperature readings by LCD display.



Electronic Blood Pressure Monitor

BP-108 home blood pressure monitor is widely used and recommended by doctors and pharmacists for clinically-accurate home monitoring. The functions are included: Irregular heartbeat detection which captures your readings and any irregular heartbeats and body movement during measurement; Memory storage stores 14 total blood pressure readings for 1 user. BP-108 home blood pressure monitor is easy to use: one touch use and body movement detection to help ensure easy use and accurate readings. It is with comfortable cuff - This soft, wide-range D-ring cuff is designed for a more comfortable measurement.



Cold chain temperature and humidity data recording solutions

When transporting pharmaceuticals, clearly defined temperature and humidity limit values usually need to be complied with – seamlessly and continuously. Breaching these limit values can result in irreversible damage to the active substances or to the composition of the pharmaceuticals.

The control of the entire cold chain from production through to the delivery is an absolute must for GxP-compliant quality management, in order not only to ensure product quality, but also to avoid potential financial losses.

In clinics and hospitals, temperature and humidity values have the highest priority. Medicines and blood products, for example, need defined constant temperatures, in order not to spoil.

**Non-Contact Forehead InfraRed Thermometer
Ideal for Quickly Detecting Elevated Skin Temperature**



Model 8806H

Model 8806S



Safety Conformance

- ISO80601-2-56 and ASTM E1965-98
- EN 60601-1: Medical electrical equipment Part 1: General requirements for safety (IEC:60601-1)
- EN60601-1-11: Medical electrical equipment-Part 1-11:General requirements for basic safety and essential performance-Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment(IEC60601-1-11)



8806U/8816H Clinical Forehead Infrared Thermometers ensure accurate and stable body temperature readings, which is particularly efficient for taking the temperature of newborn babies and children. From a distance of around 5cm, all you have to do is pointing it towards the forehead to read the temperature shown on the LCD screen.

Safety Conformance

- ISO80601-2-56 and ASTM E1965-98
- EN 60601-1: Medical electrical equipment Part 1: General requirements for safety (IEC:60601-1)
- EN60601-1-11: Medical electrical equipment-Part 1-11:General requirements for basic safety and essential performance-Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment(IEC60601-1-11)

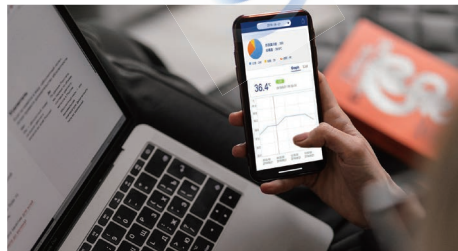
Features	8806U	8816H
Measures skin temperature from 89.6°F to 108.5°F (32.0°C to 42.5°C) without contact	*	*
Accurate to ±0.5°F (±0.3°C) with 0.1°F/°C resolution	*	*
Adjustable alarm alerts user visually and audibly when temperature exceeds programmed limit	*	*
Optimal measurement distance of 1.9 to 5.9 in. (5 to 15 cm)	*	*
Surface temperature mode measures from 32.0°F to 140°F (0°C to 60.0°C)	*	*
Fast response (0.5 seconds)	*	*
Simply press the trigger and read temperature on the large backlit LCD display	*	*
Memory stores for easy recall	32 readings	
Backlight LCD display	*	*
Complete with 2 AA batteries and pouch	*	*
USB interface	*	
NB-IoT		*

Specifications	
Range(Body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/93.2 to 89.6°F(±0.3°C/±0.5°F)
ASTM E1965-1998	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	5-15CM
Response time	0.5 second

Size(HxWxD): 146mm x 88mm x 43mm **Weight:** 205g
Accessories: 2x1.5V“AA”batteries (8816H), Carrying case and Gift box.



Model 8816H



Model 8816H (NB-IoT Version)



Model 8806U (USB Version)



The 8806H is ideal for quickly screening individuals for elevated skin temperature. This infrared thermometer has a non-contact design that eliminates the need for replacement probe covers and other supplies. The 8806H is accurate to 0.5°F (0.3°C) with 0.1°F/°C resolution when measuring skin temperatures between 89.6°F to 108.5°F (32.0°C to 42.5°C). Adjustable alarm alerts user visually and audibly when temperature exceeds programmed limit. Optimum measurement distance of 1.9 in. to 5.9 in. (5 to 15 cm). Move the Body/Surface function switch to the Surface position for non-contact surface temperature measurements from 32°F to 140°F (0.0°C to 60.0°C). With a fast response of just 0.5 seconds, users can simply press the trigger and read temperature on the large backlit LCD display. Memory stores up to 32 readings for easy recall.

Safety Conformance

- ISO80601-2-56 and ASTM E1965-98
- EN 60601-1: Medical electrical equipment Part 1: General requirements for safety (IEC:60601-1)
- EN60601-1-11: Medical electrical equipment-Part 1-11:General requirements for basic safety and essential performance-Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment(IEC60601-1-11)

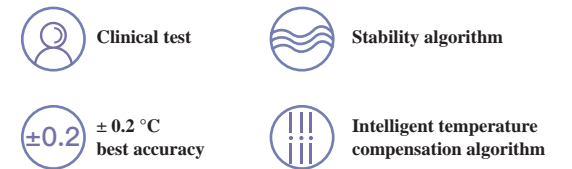
Features	
Measures skin temperature from 89.6°F to 108.5°F (32.0°C to 42.5°C) without contact	
Accurate to ±0.5°F (±0.3°C) with 0.1°F/°C resolution	
Adjustable alarm alerts user visually and audibly when temperature exceeds programmed limit	
Optimal measurement distance of 1.9 to 5.9 in. (5 to 15 cm)	
Surface temperature mode measures from 32.0°F to 140°F (0°C to 60.0°C)	
Fast response (0.5 seconds)	
Simply press the trigger and read temperature on the large backlit LCD display	
Memory stores up to 32 readings for easy recall	

Specifications	
Range(Body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/93.2 to 89.6°F(±0.3°C/±0.5°F)
ASTM E1965-1998	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	5-15CM
Response time	0.5 second

Size(HxWxD): 146mm x 88mm x 43mm **Weight:** 205g
Accessories: 2x1.5V“AA”batteries, Carrying case and Gift box.



Model 8806H



Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature.

Safety Conformance

- ISO80601-2-56 and ASTM E1965-98
- EN 60601-1: Medical electrical equipment Part 1: General requirements for safety (IEC:60601-1)
- EN60601-1-11: Medical electrical equipment-Part 1-11:General requirements for basic safety and essential performance-Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment(IEC60601-1-11)

Features

	8806B	8806S
Housing colour	Purple	Purple
Precise non-contact forehead temperature measurements	*	*
Selectable °C or °F & forehead heat detection	*	*
Selectable Body and Surface temperature	*	*
Set alarm value and sound alarm	*	*
Memorization of the last 32 measurements	*	*
Automatic Data Hold & Auto power off	*	*
Automatic selection range	*	*
Display Resolution 0.1°C(0.1°F)	*	*
Backlight LCD display	*	*
Bluetooth & Cloud server	*	*

Specifications

Range(Body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/93.2 to 89.6°F(±0.3°C/±0.5°F)
ASTM	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
E1965-1998	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	1-10cm
Response time	<1 second

Size(HxWxD): 131mm x 82mm x 35mm **Weight:** 130g

Accessories: 2x1.5V“AAA”batteries, Carrying case and Gift box.



Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature.

Safety Conformance

- ISO80601-2-56 and ASTM E1965-98
- EN 60601-1: Medical electrical equipment Part 1: General requirements for safety (IEC:60601-1)
- EN60601-1-11: Medical electrical equipment-Part 1-11:General requirements for basic safety and essential performance-Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment(IEC60601-1-11)

Features

	8806	8805
Precise non-contact forehead temperature measurements	*	*
Selectable °C or °F & forehead heat detection	*	*
Selectable Body and Surface temperature	*	*
Set alarm value and sound alarm	*	*
Memorization of the last 32 measurements	*	*
Automatic Data Hold & Auto power off	*	*
Automatic selection range	*	*
Display Resolution 0.1°C(0.1°F)	*	*
Backlight LCD display	*	*

Specifications

Range(Body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/93.2 to 89.6°F(±0.3°C/±0.5°F)
ASTM	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
E1965-1998	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	0.5-2.5cm
Response time	<1 second

Size(HxWxD): 131mm x 82mm x 35mm **Weight:** 130g

Accessories: 2x1.5V“AAA”batteries, Carrying case and Gift box.



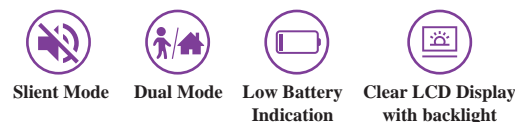
Model 8806



Model 8805



Model 8806S



Model 8806B





8807S/8807B adopts imported high-precision sensor, 1 second fast frontal temperature measurement, one-button fast switching, can be used for human body temperature and objects Temperature dual mode measurement, built-in temperature compensation to eliminate interference, the measurement accuracy in 35~42°C full temperature segment can be up to ±0.2°C.

Safety Conformance

- ISO80601-2-56 and ASTM E1965-98
- EN 60601-1: Medical electrical equipment Part 1: General requirements for safety (IEC:60601-1)
- EN60601-1-11: Medical electrical equipment-Part 1-11:General requirements for basic safety and essential performance-Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment(IEC60601-1-11)



Features

	8807S	8807B
Precise non-contact forehead temperature measurements	*	*
Selectable °C or °F & forehead heat detection	*	*
Selectable Body and Surface temperature	*	*
Set alarm value and sound alarm	*	*
Memorization of the last 10 measurements	*	*
Automatic Data Hold & Auto power off	*	*
Display Resolution 0.1°C(0.1°F)	*	*
Backlight LCD display	*	*
Bluetooth interface	*	*

Specifications

Range(Body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/89.6 to 96.6°F(±0.3°C/±0.5°F)
ASTM	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
E1965-1998	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	1~5cm
Response time	0.5 second

Size(HxWxD): 35mm x 142mm x 50mm

Weight: 125g

Accessories: Two 1.5V "AAA" batteries, Carrying case and Gift box.



Model 8807B



Leyu1/Leyu2/Leyu3 are pocket Clinical Forehead Infrared Thermometers, which ensure accurate and stable body temperature readings and transfer the measuring datas to the smart phone by bluetooth. Leyu1 is easy to use and safety with waterproof, and is particularly efficient for taking the temperature of newborn babies and children. From a distance of around 5cm, just point it towards to read the temperature shown on the smartphone by App. Leyu2 shows temperature readings by white LED display. Leyu3 shows temperature readings by LCD display.



Features

	Leyu1	leyu2	leyu2S	leyu3	leyu3S
White LED display		*	*		
LCD display				*	*
Fast Sampling time	*	*	*	*	*
Easy to use	*	*	*	*	*
Safety and Anti-swallow	*	*	*	*	*
Waterproof	*	*	*		
Non-contact measurement	*	*	*	*	*
Particular efficient for taking the temperature	*	*	*	*	*
Bluetooth Interface and Android/iOS APP software	*	*	*	*	*

Specifications

APP software	Yes
LED indication for temperature	Yes
Range/Accuracy	Body: 35 ~ 42°C(95°F ~107.6°F) / ±0.3°C(0.5°F) Surface: 0 ~ 60°C (32°F~140°F) / ±1°C(1.8°F)
Accuracy	±0.2°C(0.4°F)
Response time	1s
Spectral response	8 to 14um
Measuring Distance	1 to 4cm
LED indication	Red/Green/Yellow/Blue
Operating temp	10 to 40°C(50 to 104°F)
Storage temp.	-10 to 60°C(14 to 140°F)
Relative humidity	10% to 90%RH operating, <80%RH storage
Power supply	CR2032



Leyu-808/808S Non-Contact Thermometers with Voice Reading

Features

	Leyu-808	Leyu-808S
Forehead temperature	*	*
LCD display	*	*
Easy to use & fast sampling time	*	*
Safety and Anti-swallow	*	*
Non-contact measurement without touching the body	*	*
Particularly efficient for taking the temperature	*	*
Bluetooth Interface and Android/iOS APP software	*	*

Specifications

Range/Accuracy	Body: 35 ~ 42°C(95°F ~107.6°F) / ±0.3°C(0.5°F) Surface: 0 ~ 60°C (32°F~140°F) / ±1°C(1.8°F)
Repeatability	±0.2°C(0.4°F)
Response time	1s
Measuring Distance	1 to 4cm
Power supply	2 x AAA batteries

Size(HxWxD): 48mm x 52mm x 105mm

Weight: 130g

Accessories: 2 x AAA batteries, Carrying case and Gift box.



Leyu Baby APP



Model 886



886/886B Infrared Ear Thermometers measure the kind of temperature from the eardrum has been found to be a clinically reliable indicator of body core temperature. They are high quality products incorporating the latest technology and tested in accordance with international standard. They perform a self-test every time and can be used by consumers in household environment and doctor in clinic as reference.

Features

	886	886B
Unique Thermoscan Feedback system confirms the thermometer in the correct position and then confirms an accurate temperature reading taken by a constant light and a beep	*	*
Temperature results in degrees °C or degrees °F	*	*
Accurate and safe for newborns and the whole family, new ultra soft and gentle tip is warmed up for accuracy and extra comfort Memory recalls last 8 temperatures	*	*
Bluetooth & Cloud server		*

Specifications

Temperature unit	°C/°F
Body Temperature range	32.0°C~42.9°C/89.6°F~109°F
Basic accuracy	35.5°C~42.0°C(±0.1°C/0.2°F)
Resolution	0.1°C/0.1°F
Response time	0.5S
Operating environment	5°C~40°C (41°F~104°F) / 15~95% RH

Size(HxWxD): 155mm x 50mm x 33mm
Weight: 68g

Accessories:
2x1.5V batteries, Gift box.

DT-807 Non-Contact Clinical Forehead InfraRed Thermometer



Model 807



Accuracy: ±0.3°C/±0.5°F



Features

Precise non-contact forehead temperature measurements
Selectable °C or °F
Selectable Body and Surface temperature
Automatic Data Hold & Auto power off
Display Resolution 0.1°C(0.1°F)
Backlight LCD display

Specifications

Range (Body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range (Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/93.2 to 96.6°F(±0.3°C/±0.5°F)
ASTM	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
E1965-1998(2003)	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	1~5cm
Response time	0.5 second

DT-608 Mini Non-Contact Forehead Infrared Thermometer



Model 608



Size(HxWxD): 80mm x 40mm x 23mm
Weight: 33g
Accessories: One CR2032 button battery, Carrying case and Gift box.

Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature.

Features

Precise non-contact body temperature measurements
Selectable °C or °F & forehead heat detection
Selectable Body and Surface temperature
Automatic Data Hold & Auto power off
Automatic selection range and Display Resolution 0.1°C(0.1°F)
0.5~2.5cm Measuring distance

Specifications

Body temperature range	30.0°C to 42.5°C/86°F to 109°F
Surface temperature range	0°C to 60°C(32°F to 140°F)
Resolution	0.1°C/0.1°F
Basic accuracy	±0.3°C at 30°C~40°C/86°F~104°F Range
Response time	0.5 second
Over range indication	LCD will show "Hi"/ "Lo"
Emissivity	fixed at 0.95
Spectral response	6~14um
Power off	Automatic shut off after 7 seconds, approx.

Safety Conformance

- ISO80601-2-56 and ASTM E1965-98
- EN 60601-1: Medical electrical equipment Part 1: General requirements for safety (IEC:60601-1)
- EN60601-1-11: Medical electrical equipment-Part 1-11:General requirements for basic safety and essential performance-Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment(IEC60601-1-11)



Memorization of the last 32 measurements

Accuracy: ±0.3°C/±0.5°F



Model 808H

Features

Measures skin temperature from 89.6°F to 108.5°F (32.0°C to 42.5°C) without contact
Accurate to ±0.5°F (±0.3°C) with 0.1°F/°C resolution
Adjustable alarm alerts user visually and audibly when temperature exceeds programmed limit
Optimal measurement distance of 1.9 to 5.9 in. (5 to 15 cm)
Surface temperature mode measures from 32.0°F to 140°F (0°C to 60.0°C)
Fast response (0.5 seconds)
Simply press the trigger and read temperature on the large backlit LCD display
Memory stores up to 32 readings for easy recall
Bluetooth interface

Specifications

Range(Body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/89.6 to 96.6°F(±0.3°C/±0.5°F)
ASTM	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
E1965-1998(2003)	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	5-15CM
Response time	0.5 second

Size(HxWxD): 146mm x 88mm x 43mm **Weight:** 205g
Accessories: 2x1.5V"AA"batteries, Carrying case and Gift box.

DT-8807H/8807HB Non-Contact Clinical Forehead InfraRed Thermometers

Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature.

Features

	8807H	8807HB
Precise non-contact forehead temperature measurements	*	*
Selectable °C or °F & forehead heat detection	*	*
Selectable Body and Surface temperature	*	*
Set alarm value and sound alarm	*	*
Memorization of the last 10 measurements	*	*
Automatic Data Hold & Auto power off	*	*
Display Resolution 0.1°C(0.1°F)	*	*
Backlight LCD display	*	*
Bluetooth interface	*	*

Specifications

Range(Body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(In Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/93.2 to 89.6°F(±0.3°C/±0.5°F)
ASTM	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
E1965-1998	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	1~5cm
Response time	0.5 second

Size(HxWxD): 42mm x 35mm x 150mm **Weight:** 125g
Accessories: Two 1.5V "AAA" batteries, Carrying case and Gift box.



Memorization of the last 10 measurements

Accuracy: ±0.2°C/±0.4°F



Model 8807HB



Features	MT-1	MT-2
TDS	*	*
Body temperature	*	*
Ambient temperature/Surface temperature	*	*
White LED digital display	*	*
Selectable Body and Surface temperature	*	*
Fast response less than 1 second	*	*

Specifications	MT-1	MT-2
TDS	TDS: 0-9990PPM	
Body temperature Measuring range	35-42°C (95 -107.6 °F)	
Ambient temperature measuring range	0-60°C (32 -140 °F)	
Basic accuracy	Body temperature: +0.2°C / +0.4°F TDS: +2% F.S	Body temperature: +0.2°C / +0.4°F TVOC: +5% F.S
	Resolution	Body temperature: 0.1°C/°F TDS: 1PPM
Measuring distance	1-5CM	
Operating temperature	10-40°C	
Operating Humidity	<85%RH	
Battery type	2*AAA	

Tips: TDS = Total Dissolved Solids, which is any salt, metal or mineral in the water



Model MT-1 Size(HxWxD): 35mm x 142mm x 50mm
Weight: 73g
Accessories: 2x1.5V batteries, Gift box.

DT-8836/8836H Non-Contact Clinical Forehead InfraRed Thermometers

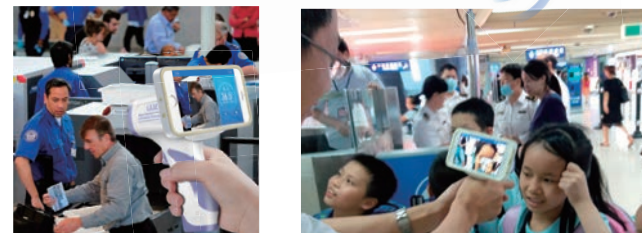


8836/8836H Clinical Forehead Infrared Thermometers ensure accurate and stable body temperature readings, which is particular efficient for taking the temperature of newborn babies and children. From a distance of around 20cm, all you have to do is pointing it towards the forehead to read the temperature readings on the LCD screen. The temperature readings are transmitted to smart phone via bluetooth which transmits information to the cloud.

Features	8836	8836H
Precise non-contact forehead temperature measurements	*	*
Selectable °C or °F & forehead heat detection	*	*
Selectable Body and Surface temperature	*	*
Set alarm value and sound alarm	*	*
Face recognition	*	*
Image storage	*	*
Automatic Data Hold & Auto power off	*	*
Automatic selection range	*	*
Display Resolution 0.1°C(0.1°F)	*	*
Backlight LCD display	*	*
Readings memories	*	*
Records readings with real date and time stamp	*	*
Read the Max/Min measuring temperature	*	*
Automatic generation of data tables	*	*
Automatic Data Hold & Auto power off	*	*

Specifications	
Range(body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/89.6 to 96.6°F(±0.3°C/±0.5°F)
ASTM	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
E1965-1998(2003)	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	15-25CM
Response time	0.5 second

Size(HxWxD): 155mm x 50mm x 33mm Weight: 68g
Accessories: 2x1.5V batteries, Gift box.



Model 8836/8836H



Features	8809H	8809B	8809N
Measuring distance with laser targeting		0.5-1m	0.5-1m
Precise non-contact forehead temperature measurements	*	*	*
Selectable °C or °F & forehead heat detection	*	*	*
Selectable Body and Surface temperature	*	*	*
Set alarm value and sound alarm	*	*	*
Memorization of the last 32 measurements	*	*	*
Automatic Data Hold & Auto power off	*	*	*
Display Resolution 0.1°C(0.1°F)	*	*	*
Backlight LCD display	*	*	*
Read the Max/Min measuring temperature	*	*	*
Red backlight & beeper alarm	*	*	*
Interface	Bluetooth	Bluetooth (Optional)	NB-IOT

Specifications	
Range(body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Range (animal mode)	32.0°C to 50°C/89.6°F to 122°F
Resolution	0.1°C/0.1°F
Basic accuracy	±0.3°C/±0.5°F
Measuring distance	50-100CM
Response time	0.5 second

Size(HxWxD): 204mm x 155mm x 52mm Weight: 320g
Accessories: 9V battery, Gift box.

DT-806 Series Non-Contact Body Infrared Thermometers

Non-Contact Body IR Thermometer is a newly design with European style, specially designed to take the body temperature of a person regardless of room temperature.

Features	806/806D/806R	806C	806CV	806B
Precise non-contact body temperature measurements	*	*	*	*
Selectable °C or °F & forehead heat detection	*	*	*	*
Selectable Body and Surface temperature	*	*	*	*
Set alarm value and sound alarm	*	*	*	*
Memorization of the last 32 measurements	*	*	*	*
Automatic Data Hold & Auto power off	*	*	*	*
Automatic selection range and Display Resolution 0.1°C(0.1°F)	*	*	*	*
Backlight LCD display	*	*	*	*
Meterbox iCare & cloud computing service				*
Red, orange, green LED indicator		*	*	*
Talking function			*	*
Body IR Thermometer analyzer				*
Measuring distance (Distance to Spot size)	1~10cm			
Bluetooth & Cloud server				*

Leyu Baby APP functions:
Temperature measuring data transferred to Cloud Edit, analysis & Store the temperature data
Connecting with iPhone/iPod/iPad/Android Phone/Android Pad
Sharing the data with others by E-mail, facebook & twitter
Trend capture Cloud backup



Model 806B



Model 806/806C

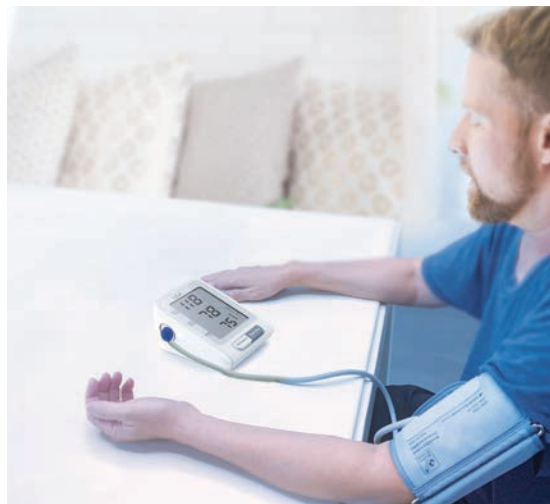
Size(HxWxD): 150mm x 58mm x 40mm
Weight: 157g
Accessories: 2 x1.5V "AAA" batteries, Carrying case and Gift box.



BP-108 home blood pressure monitor is widely used and recommended by doctors and pharmacists for clinically-accurate home monitoring. The functions are included: Irregular heartbeat detection which captures your readings and any irregular heartbeats and body movement during measurement; Memory storage stores 14 total blood pressure readings for 1 user. BP-108 home blood pressure monitor is easy to use: one touch use and body movement detection to help ensure easy use and accurate readings. It is with comfortable cuff This soft, wide-range D-ring cuff is designed for a more comfortable measurement.



Model BP-108



Features	
Talking function	
99 x2 memory locations	
The date and time are displayed and stored together with every blood pressure value	
If the battery icon is displayed, the batteries are discharged and the device cannot be used until new batteries are installed	

Specifications	
Display	Digital LCD display
Measurement	Oscillometric method
Pressure Display Range	0-299mmHg
Measurement Range	Pressure: 30 to 280 mmHg
Pulse rate	40 to 199 beats/min
Accuracy	Pressure: Within ±5 mmHg
	Pulse rate: Within ±5% of reading
Power Supply	4×1.5V "AA" Batteries
Operating Environment	10~40°C /15%~85%RH
Storage Environment	-10~50°C/10%~93%RH
Measurable Arm Circumference	220mm~320mm
Safety Classification	Internal power: Type B
Inflation	Automatic inflation with pumping
Air Release	Automatic rapid air release
Pressure Detection	Electrostatic capacity pressure sensor
Pulse Detection	Electrostatic capacity pressure sensor

Size(HxWxD): 145mm x 100mm x 70mm **Weight:** 451g
Accessories: 4x1.5V "AA" batteries, Carrying case and Gift box.

Blood pressure category	Systolic mmHg (top number)		Diastolic mmHg
Normal	Less than 120	AND	Less than 80
Elevated	120 to 129	AND	Less than 80
High blood pressure Hypertension atage 1	130 to 139	OR	80 to 89
High blood pressure Hypertension atage 2	140 or higher	OR	90 or higher
Hypertensive emergency See your doctor right away	Higher than 180	AND/OR	Higher than 120



BP-102/106 Arm cuff is suitable for arm from 220 to 320mm circumference, the blood pressure monitor readjust itself to identify the necessary pumping pressure, if the pumping pressure set in the factory is not sufficient, the device identifies this and continues pumping

Features	
Talking function (BP-102)	
99 x2 memory locations	
The date and time are displayed and stored together with every blood pressure value	
If the battery icon is displayed, the batteries are discharged and the device cannot be used until new batteries are installed	

Specifications	
Display	Digital LCD display
Measurement	Oscillometric method
Pressure Display Range	0-299mmHg
Measurement Range	Pressure: 30 to 280 mmHg
Pulse rate	40 to 199 beats/min
Accuracy	Pressure: Within ±5 mmHg
	Pulse rate: Within ±5% of reading
Power Supply	4×1.5V "AA" Batteries
Operating Environment	10~40°C /15%~85%RH
Storage Environment	-10~50°C/10%~93%RH
Measurable Arm Circumference	220mm~320mm
Safety Classification	Internal power: Type B
Inflation	Automatic inflation with pumping
Air Release	Automatic rapid air release
Pressure Detection	Electrostatic capacity pressure sensor
Pulse Detection	Electrostatic capacity pressure sensor

Size(HxWxD): 136mm x 131.5mm x 68.5mm(106), 145mm x 113mm x 115mm(102)
Weight: 451g(106), 596g(102)
Accessories: 4x1.5V "AA" batteries, Carrying case and Gift box.



Model BP-102



Model BP-106

BP-80/80B/80H Electronic Blood Pressure Monitors

Specifications			
Systolic/mmHg	Diastolic/mmHg	Meaning	Action
<105	<60	Hypotonic	Consult your doctor
105-140	60-90	Normal	Self-monitoring is sufficient
140-160	90-95	Borderline hypertonic	Consult your doctor
>160	95-105	Mildly hypertonic	Consult your doctor
>160	105-115	Hypertonic, medium severity	Get medical attention
>180	>115	Severely hypertonic	Get medical attention immediately

Size(HxWxD): 66mm x 65mm x 30mm(96)
73mm x 68mm x 28mm(96B)
85mm x 85mm x 28mm(96H)
Weight: 99g(96), 107g(96B), 133g (96H)



Model 80



Model 80B



Model 80H





Oxygen saturation is the percentage of oxyhemoglobin (HbO2) that is combined with oxygen against all combinable hemoglobin (Hb). It is an important physiological parameter involved in respiration and circulation. The oxygen saturation of arterial blood in a normal human body is 98%. Oxygen saturation is an important indicator of the oxygen condition in the human body. In general, the normal values of oxygen saturation shall not be lower than 94%. If the measured value of oxygen saturation is lower than 94%, an insufficient supply of oxygen is considered.

The pulse rate is the number of pulse beats per minute. Normally, the pulse rate is consistent with the heart rate. In general, the pulse rate of every people is 60 to 90 beats per minute.

Size(HxWxD): 70mm x 32mm x 38mm **Weight:** 32g
Accessories: 2x1.5V AAA batteries, Clamshell

Specifications		
Display mode	OLED display	
Power supply	DC 3V 2*1.5VLR03(AAA)	
Auto power off	Switch off after 15 seconds finger out	
Sensor Specifications		
Red light	660nm	
Infrared light	905nm	
Oxygen saturation (SpO2)	Measurement Range	35%~100%
	Measurement precision	±2% , (70%~100%) <70% , No requirement
	Resolution	1%
Pulse rate (PRbpm)	Measurement Range	25bpm-250bpm
	Measurement precision	+2bpm
	Resolution	1bpm
Perfusion index (PI%)	Measurement Range	0-50%
	Measurement precision	0.1% (0%~1%) , 1% (1%~20%) >20% , No requirement
	Resolution	0.1%
Alarm		
Oxygen saturation (SpO2)	50%~100% Adjustable, Default: Upper limit 100% , Lower limit 94%	
Pulse rate (PRbpm)	25bpm~250bpm, Default: Upper limit 130bpm, Lower limit 50bpm	
Alarm mode	The value flash and beeping	
Service life	2 years	

Household Ventilator, Positive Pressure Single Level Automatic Respirator, Sleep Snoring Device

Considering the different pressure requirements during exhalation and inhalation, the motor is intelligently controlled to accelerate and decelerate to provide appropriate pressure, making exhalation easier and smoother.

Separate design of the fuselage, Separate design of the main body and the heating humidifier, portable and simpler operation, easy to use, medical grade polycarbonate (PC) material, more reliable use, easy adjustment knob, USB interface and SD card slot for easy export Sleep report, including P90, AHI, air leakage, average pressure, usage time, etc.

Easy to carry: easy to carry. You can use a plug-in household power supply (AC 100-240V (±10%), 50-60Hz, 1.8Max) and work continuously 24 hours a day. Suitable for families and hospitals. Negative ion and atomization function: equipped with negative ion function.

The negative ion system can be used alone or at the same time as the oxygen system; with an independent atomizing outlet, the atomized drug delivery can alleviate various problems of the upper and lower respiratory systems.

- Working mode: CPAP, APAP
- Inspiratory pressure setting range: 4-20cmH2O
- Adjustable interval: 0.5cmH2O
- Power output: DC 24V, 3.33A, tolerance: ± 10%
- Product size: 260 * 135 * 100mm
- Product weight: about 1780g (including heating humidifier)



BG-60 Blood Glucose Monitor



Specifications	
Reported result range	20-600 mg/dL
Calibration	Plasma-equivalent
Sample	Fresh capillary whole blood
Test time	5 seconds
Assay method	Glucose oxidase biosensor
Unit of measure	mg/dL
Memory	500 blood glucose or control solution test results



Size(HxWxD): 90mm x 50mm x 18mm **Weight:** 50g
Accessories: CR2032 battery, Clamshell



Measuring distance 1~75cm



Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature.

Model 8817

Features

- Precise non-contact forehead temperature measurements
- Selectable °C or °F & forehead heat detection
- Selectable Body and Surface temperature
- Set alarm value and sound alarm
- Memorization of the last 10 measurements
- Automatic Data Hold & Auto power off
- Display Resolution 0.1°C(0.1°F)
- Backlight LCD display

Specifications

Range(In body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(In Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/93.2 to 96.6°F(±0.3°C/±0.5°F)
ASTM E1965-1998(2003)	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	1~75cm
Response time	0.5 second

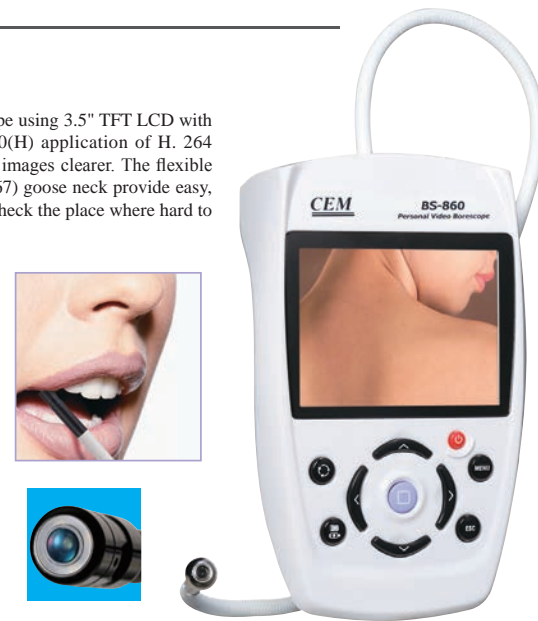
Size(HxWxD): 146mm x 104mm x 43mm **Weight:** 163g
Accessories: 9V battery, Carrying case and Gift box.

BS-860 High Definition Personal Video Borescope

Features

- 3.5" Color TFT LCD
- Camera and Video function
- Support real-time live view
- TV peripherals to support operations in other
- Highlighted with LED to support the operation in the dark
- Built-in 1800mAh lithium battery, support USB charging
- Standby function to support the charge
- Support rotating the image 180° from top to bottom
- Flexible gooseneck camera head with waterproof IP67

BS-860 personal video borescope using 3.5" TFT LCD with high resolution: 320(W) x 240(H) application of H. 264 video codec technology makes images clearer. The flexible and comfortable waterproof (IP67) goose neck provide easy, simple and convenient way to check the place where hard to see.



Model 860

- 3.5" Color TFT LCD
- Allows user to view image and video on LCD monitor
- Flexible gooseneck imager head with waterproof and Easily perform visual inspections in hard to reach areas
- High visibility and 10 degree adjustable LED lighting
- Camera and Video function
- Rechargeable battery with USB cable Support SD memory card expansion
- EN FR GE ES Menu with multinational language

Size(HxWxD): 120mm x 87mm x 185mm
Weight: 584g

Accessories: 3.7V Li battery, gift box with carrying case.

The special-purpose of electron clinical thermometer is body temperature Measuring, offering safe, accurate and quick temperature readings. Select oral, rectal or axillary as your measurement site. No need to worry about broken glass or mercury hazards.

Oral Thermometer with Flexible Tip (137S)

Specifications

Measurement range	32.0°C -42.9°C(89.6°F-109.2°F)
Measurement accuracy	±0.1°C(0.2°F)between 35°C to 42°C (95°F to 107.6°F)
Operating Temperature	10°C to 40°C(50°Fto 104°F)
Storage temperature	-10°C to +60°C
Memory	For signaling the last measured value
Battery	3V, CR2032(137), LR44 1.5V (137S/137H)

Size(HxWxD): 156mm x 34mm x 22mm
Weight: 32g

Accessories: 3V, CR2032(137), LR44 1.5V (137S/137H) battery, Clamshell



Model 137

Model 137H

Model 137S

DT-106/106S Electron Clinical Thermometers

Features

- Oral Thermometer with Flexible Tip (106S)
- Electronic thermometers for adults, children, babies and pets for oral, armpit and rectal temperature measurement
- This electronic thermometer with LCD display can read the measured value clearly and quickly. Using a precision chip
- This thermometer has a beep sound. After the test, there will be a sound prompt or a fever sound.
- The probe is waterproof and easy to clean

Specifications

Measurement range	32.0°C -42°C(89.6°F-107.6°F)
Measurement accuracy	±0.1°C(0.2°F)between 35°C to 42°C (95°F to 107.6°F)
Measurement time	about 1 minute
Operating Temperature	10°C to 40°C(50°Fto 104°F)
Storage temperature	-10°C to +60°C
Memory	For signaling the last measured value
Battery	LR44 1.5V

Size(HxWxD): 125mm x 19mm x 10mm
Weight: 32g

Accessories: 3V, CR2032(137), LR44 1.5V (137S/137H) battery, Clamshell



Model 106

Model 106S

Automatic infrared thermal imaging temperature measurement warning system



Non-contact and fast mass screening system

AI-2031 combines infrared human temperature measurement algorithm and AI intelligent face recognition and other advanced technologies. It has accurate temperature measurement and simple and convenient operation. It is suitable for monitoring large areas of people in public places, quickly find and track people who have overheated temperature, and help in troubleshooting Human fever symptoms.

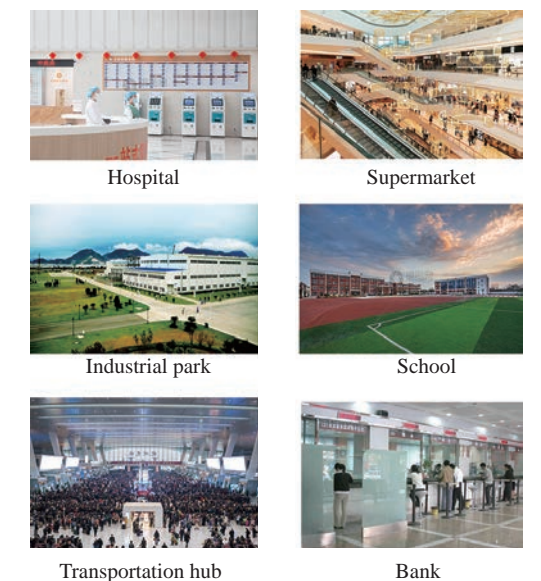


Specifications

Infrared	Resolution	384x288
	Accuracy	$\pm 0.3^{\circ}\text{C}$ (Blackbody source correction)
	Focal length	9mm
	Angle of view	41x31 $^{\circ}$
	IFOV	1.89mrad
	Aperture	F1.0
	Frame rate	50Hz
Visible light	Resolution	2 million
	Frame rate	50Hz
Temperature measurement	Temperature measurement range	20-50 $^{\circ}\text{C}$
	Temperature measurement accuracy	$\leq \pm 0.3^{\circ}\text{C}$ (ambient temperature 16 ~ 32 $^{\circ}\text{C}$)
Software functions	Parameter settings	Warning switch and warning threshold value, number of warning targets, warning photos automatic clearing, shielding fixed high temperature objects
	Face tracking	Intelligent face tracking
	Real-time preview	Real-time preview of visible and thermal image
	Real-time spot temperature detection	Real-time temperature monitoring at any point in the field of view
	Automatic tracking	Support automatic tracking for elevated temperatures
	Automatic warning	Automatic tracking, warning and photo capturing for storage when people with fevers are identified; Warning while the Black Body is blocked.
	Historical records	Support query, classification and deletion of historical warning screenshots
Black body	Blackbody target surface uniformity	$\leq 0.1^{\circ}\text{C}$
	Temperature stability accuracy	$\leq \pm 0.2^{\circ}\text{C}$ (single point)
Camera head interface	Network interface	Two-way, visible light 1000M, infrared 100M
Temperature measurement warning system		Yes
Input voltage		DC 12V

Accessories: Computer, 3x10m network cable, network switch, bx-35 blackbody calibration source, 2m floor stand, 43 inch TV.

Application scenarios



AI-2021A/2021B/2021C combines infrared human temperature measurement algorithm and AI intelligent face recognition built-in blackbody calibrator. It has accurate temperature measurement and simple and convenient operation. It is suitable for monitoring large areas of people in public places, quickly find and track people who have overheated temperature, and help in troubleshooting Human fever symptoms.



Model 2021/2021B



Specifications				
Infrared	Resolution	2021A	2021B	2021C
	Accuracy (Blackbody source correction)	±0.3°C	±0.3°C	±0.3°C
	Focal length	9mm	9mm	7.5mm
	Angle of view/ IFOV	41x31°/ 1.89mrad	20.7x15.6°/ 1.88mrad	21x21°/ 4.53mrad
	Aperture/ Frame rate	F1.0/ 50Hz		
Visible light	Material of Lens	germanium		
	Resolution	2 million		
Temperature measurement	Frame rate	50Hz		
	Temperature measurement range	20-50°C		
Software functions	Temperature measurement accuracy	≤ ± 0.3°C (ambient temperature 16 ~ 32°C)		
	Parameter settings	Warning switch and warning threshold value, number of warning targets, warning photos automatic clearing, shielding fixed high temperature objects		
	Face tracking	Intelligent face tracking		
	Real-time preview	Real-time preview of visible and thermal image		
	Real-time spot temperature detection	Real-time temperature monitoring at any point in the field of view		
	Automatic tracking	Support automatic tracking for elevated temperatures		
	Automatic warning	Automatic tracking, warning and photo capturing for storage when people with fevers are identified; Warning while the Black Body is blocked.		
	Historical records	Support query, classification and deletion of historical warning screenshots		
	Video recording	Support		
	Network communication protocol	HTTP, RTSP		
Black body	Blackbody target surface uniformity	≤0.1°C		
	Temperature stability accuracy	≤ ± 0.2°C (single point)		
Camera head interface	Network interface	Two-way, visible light 1000M, infrared 100M		
Temperature measurement warning system		Yes		
Input voltage		DC 12V		

Accessories: 12V DC adaptor, 10m network cable, USB cable, 2m floor stand (optional), computer/ TV (optional).

AI-2020A/2020B Automatic infrared thermal imaging temperature measurement warning system



Model BX-35

Model 2020A

Specifications			
Infrared	Resolution	2020A	2020B
	Accuracy (Blackbody source correction)	±0.3°C	±0.3°C
	Focal length/ Angle of view	9mm/ 29x23°	
	Aperture/ Frame rate	F1.0/ 50Hz	
	Material of Lens	germanium	
Visible light	Resolution/ Frame rate	2 million/ 50Hz	
	Temperature measurement range	30-45°C	
Temperature measurement	Temperature measurement accuracy	≤ ± 0.3°C (ambient temperature 16 ~ 32°C)	
	Parameter settings, Face tracking, Real-time preview, Real-time spot temperature detection, Automatic tracking, Automatic warning, Historical records, Video recording and Network communication protocol (HTTP, RTSP)		
Black body	Blackbody target surface uniformity	≤0.1°C	
	Temperature stability accuracy	≤ ± 0.2°C (single point)	
Camera head interface	Network interface	Two-way, visible light 1000M, infrared 100M	

Accessories: 12V DC adaptor, 10m network cable, USB cable, bx-35 blackbody calibration source, 2m floor stand (optional), computer/ TV (optional).

The traditional infrared temperature measurement and AI face recognition are effectively combined. The user can determine and record the user's identity and user's temperature data within 1 second before the device. Once the body temperature exceeds the normal value, it will automatically alarm and prohibit passage.



Model AI-321/322

- Quick temperature measurement within 1 second
- 50000 Mass storage
- Living body recognition Quality Assurance
- Intelligent AI Face recognition
- Multi-purpose
- Automatically record
- Non-contact temperature measurement
- 37.3°C high temperature automatic alarm
- Speech

Specifications					
Model	AI-321	AI-322 AI Thermal Detector	AI-323 AI Thermal Detector	AI-326 AI Thermal Detector	AI-328 AI Thermal Detector
IR Sensor resolution	Single point infrared temperature measurement	32x32 thermal imaging infrared temperature measurement	80x80 thermal imaging infrared temperature measurement	160x120 thermal imaging infrared temperature measurement	384x288 thermal imaging infrared temperature measurement
LCD display size	7" TFT	7" TFT		18.5" TFT	
Temperature measurement module parameters					
Measuring range	16~45°C	16~45°C		16~45°C	
Measurement accuracy	±0.5°C	±0.5°C		±0.5°C	
Measuring distance	20~50cm	20~50cm		20~50cm	
Measuring time	0.5s	6 frames per second		50 frames per second	
Camera parameters					
Resolution Color	Color 200W (1920*1080), infrared 130W (1280*960)	80*80, Uncooled focal plane detecto	160*120, Uncooled focal plane detecto	384*288, Uncooled focal plane detecto	
Imaging device	Color AR0230, infrared AR0130				
Lens	2.9mm	2.9mm	9mm	9mm	9mm
Recognition distance	1m-2m				
Smart functions	0.3m-1.2m			1m-5m	
Face recognition capacity	50000			50000	
Offline record	100,000pcs			100,000pcs	
Recognition accuracy	99.83%			99.83%	
Living security	Support binocular near infrared live detection				
Face Detection	1080P@25fps, support face detection tracking, optimization				
Face recognition speed	About 200ms			30ms	
Biopsy speed	About 400ms				
Occlusion adaptation	Supports wearing glasses, wigs, makeup, wearing masks etc. (the recognition accuracy is adjusted as required)				
Interface parameters					
Network interface	1 RJ45 10M/ 100M adaptive Ethernet port				
USB interface	1 USB interface				
Wireless connection	WiFi+BLE4.0				
RS485 interface	1 RS485 interface				
Relay interface	1 relay interface				
Fire alarm door check button	1 fire alarm door check button				
IO reserved	1 11pin terminal				

Size(HxWxD): 135mm x 65mm x 270mm Weight: 1500g
Accessories: 12V DC adaptor, Carrying case and Gift box.



Model AI-323/326/328



AI Intelligent Thermal Imaging with Temperature Screening

- Over 37.3°C automatic snap alarm
- 20ms rapid temperature measurement
- Up to 10 people for temperature measurement
- Automatically monitor the number of people
- ± 0.5°C high-precision temperature measurement mode
- HD thermal imaging 384 x 288 resolution



EMC
EN: 61326-1
EN: 61010-1



Model 874Y Model 979Y Model 980Y

- 50Hz Image frame rate
- Non-contact temperature measurement
- High quality sensors, resolution: 384x288 pixels (9897Y)
- Intelligent Face capture
- 37.3°C high temperature automatic alarm prompt
- Can be externally displayed on a large screen, HDMI HD output photos and videos
- Simultaneous temperature measuring 10 people in 20 ms, Quickly and efficiently avoid congestion



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EN: 61010-1

Model 9897Y



Specifications		9895Y	9896Y	9897Y
Imaging and optical data				
IR resolution	Focal plane array (FPA), uncooled microbolometer	80x80	160x120	384x288
Field of View (FOV)		17°x17°	7.3°x13°	7°x12.7°
Spatial resolution (IFOV)		3.77mrad	1.89mrad	0.77mrad
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK	*	*	*
Image frequency	50Hz	*	*	*
Focus	Manual	*	*	*
Laser range finding function	0.05 to 30m(0.15ft to 98ft), Typically: ±2mm(±0.06in)	*	*	*
Image presentation				
Display	3.5" 640x480TFT , capacitive touch screen			
Image modes	IR image, visual image, picture in picture, AUF, Distance			
Color palettes	IRON, Rainbow, Grey, Grey Inverted, Brown, Blue-red, hot-cold, Feather, Above alarm, Below alarm, Zone alarm, vision zone			
Measurement				
Object temperature range	Screening mode:32°C to 42°C(-89.6°F to +107.6°F) Low range: -20°C to +150°C (-4°F to +302°F) High range: 0°C to +650°C (+32°F to +1202°F)			
Accuracy	Screening mode:±0.5°C (±0.9°F)in 32°C to 42°C ±2°C (±3.6°F) or ±2% of reading in -20°C to 650°C			
Screening temperature range	32°C~42°C			
Temperature measurement accuracy	±0.5°C (32~42°C, Screening mode) ±2°C, Normal temperature measurement range			
Blackbody	Blackbody correction support, ±0.3°C (±0.54°F) accuracy			
Measurement analysis				
Face tracking	Intelligent face tracking, detect 10 faces at the same time			
Hot spot track	Hot spot track in face area and High temperature alarm			
HDMI	Connect to TV through HDMI with video and alarm voice			
Emissivity	0.01~1.0 Adjustable			
Automatic hot /cold detection	Auto hot or cold spotmeter marks line analyse,area analyse			
Storage of videos/images				
Storage media	8Gbytes Micro SD card			
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes			
Digital camera				
Built-in visible light digital camera	5M Pixels			
Data communication interfaces				
USB interfaces	USB-micro, data transform between camera and PC remote control, live video			
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video			

Size(HxWxD): 268mm x 100mm x 125mm Weight: 820g
Accessories: Carrying case, 7.5mm lens, Sun Visor, Tripod base, AC charger/Power supply, Battery, software CD-ROM, Handstrap, micro SD card, USB cable & RCA cable, Gift box.

874Y/979Y is a surface temperature rapid screening infrared thermal imager, temperature measurement accuracy $\pm 0.5^{\circ}\text{C}$, temperature measurement range $32^{\circ}\text{C}\sim 42^{\circ}\text{C}$, can be handheld or installed tripod. Deploying this product in public places can automatically achieve temperature measurement for long distances, large areas, and large passenger flows.



Model 979Y



EMC
EN: 61326-1
EN: 61010-1



Model 874Y



Non-contact temperature measurement



Intelligent Face capture



37.3°C high temperature automatic alarm prompt

Specifications	979Y	874Y
Imaging and Optical Data		
Field of View	21x 21°	50x38°
Spatial Resolution	4.53mrad	5.4mrad
NETD	<0.1°C@30°C(80°F)/100mK	*
Image Frequency	25Hz	*
Focus Mode	Focus free	*
Focal Plane Array(FPA) Spectral Range	Uncooled microbolometer/8-14um	*
IR Resolution		160x120
Image Presentation		
Display	2.8" TFT LCD, 240x320 pixels	2.8"
Color Palettes	IRON, RainBow, Grey, GreyInverted, Brown, Blue-red, hot-cold, Feather	*
Measurement		
Object Temperature Range	Screening mode:32°C to 42°C(-89.6°F to +107.6°F) -20°C to 400°C (-4°F to 752°F)	*
Accuracy	Screening mode:±0.5°C (±0.9°F)in 32°C to 42°C ±2°C(±3.6°F) or ±2% of reading	*
Screening temperature range	32°C~42°C	*
High temperature alarm setting	Default 37.3°C	*
Full-field high-temperature tracking	Red crosshair mark	*
Face tracking	Intelligent face tracking, detect 10 faces at the same time	*
Measurement Analysis		
Spotmeter	Center Spot	*
Automatic Hot/Cold Detection	Auto hot or cold markers	*
Emissivity Correction	8 pre-define level and Variable from 0.01 to 1.0	*
Storage of Images	8G SD card	*
Image Storage format	Bitmap(BMP),including measurement data.	*
Data Communication Interfaces	USB-C interface	*
Power System		
Battery	Li-ion battery, 4 hours operating time	*
Input Voltage	DC 5V	*
Charging System	In camera(AC adapter)	*
Power Management	Automatic shutdown	*
Environmental Data		
Operating Temperature Range	-20°C to 50°C (-4°F to 122°F)	*
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)	*
Humidity(operating and storage)	10% to 90%	*
Drop test	2m	*
Digitl camer	2M pixel	*

Size(HxWxD): 224 x 72 x 90mm (979Y), 175 x 58 x 70mm (874Y)

Weight: 480g (979Y), 450g (874Y)

Accessories: Earphone (Optional), Battery, software CD-ROM, Wrist strap, micro SD card, Adaptor, USB cable, Gift box.

DT-870YS supports an external tablet large screen, which can achieve simultaneous temperature measurement by multiple people in the public place when checking the fever personnel. Using the Thermalguard software pre-installed on the pad, you can directly read the measurement data, the number of people, and the number of temperature more than 37.3°C on the big screen. In the screening mode, the measurement range is $35^{\circ}\text{C}\sim 42^{\circ}\text{C}$, and the measurement accuracy is $\pm 0.5^{\circ}\text{C}$.

DT-980Y series surface temperature rapid screening infrared thermal imager, infrared resolution 80x80, 50Hz high image frame frequency, temperature measurement accuracy $\pm 0.5^{\circ}\text{C}$, temperature measurement range $32^{\circ}\text{C}\sim 42^{\circ}\text{C}$, can be handheld or installed tripod.

Specifications	870Y	870YS	980Y
Imaging and Optical Data			
Field of View	21x 21°		17x17°
Spatial Resolution	4.53mrad		3.77mrad
NETD	<0.1°C@30°C(80°F)/100mK		< 0.08°C /80mK
Image Frequency	50Hz		50Hz
Focus Mode	Focus free		Manual
Zoom			1-32x continuous, digital zoom
Focal Plane Array(FPA) Spectral Range	Uncooled microbolometer/8-14um		
IR Resolution	80x80 pixels		
Image Presentation			
Display	2" TFT LCD, 240x320 pixels		2.8" TFT LCD, 240x320 pixels
Color Palettes	IRON, RainBow, Grey, GreyInverted		
Measurement			
Object Temperature Range	-20°C to 380°C (-4°F to 716°F)		-20 to 150°C (-4 to 302°F) 0 to 350°C (32 to 662°F)
Accuracy	±2°C(±3.6°F) or ±2% of reading		
Screening temperature range	32~42°C		
Temperature measurement accuracy	±0.5°C		
Test area	1 meter distance: 35cmx35cm 2 meters distance: 70cmx70cm		1 meter distance: 44cmx33cm 2 meters distance: 88cmx66cm
Full-field high-temperature tracking	Red crosshair mark		
High temperature alarm setting	Default 37.3°C		
High-temperature tracking	Red crosshair mark		
High temperature alarm tone	Yes		
Tablet	10in display,8M visible camera,Android system (870YS)		
Face detection	5 face detection at the same time, hot spot track in face area and High temperature alarm (870YS)		
Face capture	Yes		
Measurement Analysis			
Spotmeter	Center Spot		Center Spot,Auto hot or cold markers
Hot spot track			Hot spot track in face area and High temperature alarm
Automatic Hot/Cold Detection	Auto hot or cold markers		
Emissivity Correction	8 pre-define level and Variable from 0.01 to 1.0		
Storage of Images			Standard JPEG, including measurement data, on memory card > 1000 pictures
Image Storage format	Bitmap(BMP),including measurement data.		
HDMI			Connect to TV through HDMI with video and alarm voice
Data Communication Interfaces			
Bluetooth	Yes		
USB			Data & Live video transform between camera and PC or smartphone
Power System			
Laser			< 1mW
Charging System	In camera(AC adapter)		
Power Management	Automatic shutdown		
Battery/ Input Voltage	Li-ion battery, 4 hours operating time/ DC 5V		

Size(HxWxD): 175mm x 58mm x 70mm Weight: 450g

Accessories: Battery, APP software, Adaptor, Carrying case, USB cable, Gift box.



Model 980Y



EMC
EN: 61326-1
EN: 61010-1



Model 870Y



Model 870YS



By locking the current on-site temperature range to obtain better image effects, It is more convenient to find the temperature problem of the measured object.



Integrated visible light and thermal imaging technology to realize remote monitoring intelligent face recognition temperature measurement

Accuracy: $\pm 0.5^{\circ}\text{C}/\pm 1.0^{\circ}\text{F}$



Model 971Y



Specifications		970Y	971Y	972Y	
Infrared	Resolution	80x80	160x120	384x288	
	Focal length	9mm	*	*	
	Angle of view	17x17°	19x25°	41.5x31°	
	IFOV	mrad	3.78	2.78	1.89
	Aperture	F1.0	*	*	*
	Frame rate	50Hz	*	*	*
Visible light	Resolution	2 million	*	*	
	Frame rate	50Hz	*	*	
Temperature measurement	Temperature measurement range	20-50°C	*	*	
	Temperature measurement accuracy	$\leq \pm 0.5^{\circ}\text{C}$ (target distance 1.0~1.5m, Target temperature within 32-42°C)	*	*	
Software function	Face recognition	Intelligent face recognition	*	*	
	Temperature measurement	Face recognition area shows the highest temperature, infrared/ Visible light image temperature cursor overlay	*	*	
	High temperature alarm value can be set	Default 37.3°C, alarm automatic photo storage, support image/sound alarm	*	*	
	Temperature correction	The body surface temperature in vivo corrects automatically	*	*	
Image video storage	Infrared, visible light, image fusion 4G, SD card can be connected				
Software	Thirmview pro				
Connect	HDMI, USB, wifi				
Temperature measurement warning system	Yes				

DR-100 Smart doorbell with temperature measurement function

- Motion Activated-alert
- Live view on-demand video and audio
- Adjustable Motion Activated-alert
- Voice modulation
- Body temperature measurement
- Wide View Angle
- Infrared Night Vision
- Face recognition
- Long Standby
- Force Disassembly Alarm



Model DR-100

Specifications	
Resolution	1080P HD
View Angle	139°
Night Vision	Two 850nm Infrared lamp
Storage	Card Record/Cloud Record
Temperature measurement range	32°C~45°C
Temperature measurement accuracy	$\pm 0.5^{\circ}\text{C}$
Temperature measuring distance	0.2 to 0.5m
Temperature measuring time	0.5s
Operation temperature	10~40 °C
Operation humidity	10%~90%RH
Video Compression	H.265
WIFI	WIFI IEEE 802.11 b/g/n 2.4GHz
Battery type	Rechargeable lithium batteries
Battery capacity	5000mAh
Waterproof	IP65

Size(HxWxD): 140mm x 85mm x 30mm Weight: 220g
Accessories: 4x1.5V "AA" batteries, Carrying case and Gift box.



EMC
EN: 61326
EN: 60825-1



Accuracy: $\pm 0.5^{\circ}\text{C}/\pm 1.0^{\circ}\text{F}$

The human body temperature detection system based on the algorithm-integrated visible light + infrared light dual-sensing. The equipment has the functions of thermal imaging non-contact temperature measurement, face recognition, over-temperature automatic alarm, face capture, data statistics and other functions. The system combines portraits for refined analysis services, has the characteristics of long distance, non-contact, multi-target, etc., and establishes the first line of defense for anti-epidemic.

- 50Hz Image frame rate
- Accurate measurement
- Face detection snapshot
- Flexible configuration
- Remote control
- Quick check

Specifications		2020	2020M	2020H	
Infrared	Resolution	80x80	160x120	384x288	
	Focal length	9mm	*	*	
	Angle of view	17x17°	19x25°	41.5x31°	
	IFOV	mrad	3.78	2.78	1.89
	Aperture	F1.0	*	*	*
	Frame rate	50Hz	*	*	*
Visible light	Resolution	2 million	*	*	
	Frame rate	50Hz	*	*	
Temperature measurement	Temperature measurement range	20-50°C	*	*	
	Temperature measurement accuracy	$\leq \pm 0.5^{\circ}\text{C}$ (target distance 1.0~1.5m, Target temperature within 32-42°C)	*	*	
Software function	Face recognition	Intelligent face recognition	*	*	
	Temperature measurement	Face recognition area shows the highest temperature, infrared/ Visible light image temperature cursor overlay	*	*	
	High temperature alarm value setting	The default is 37.3°C, the alarm automatically takes photos and stores.support image/sound alarm	*	*	
	Body temperature correction	Automatic correction of measuring temperature	*	*	
Image video	Infrared, visible display at the same screen. HDMI , mobile phone three-screen display				
HDMI	Connect to TV through HDMI with video and alarm voice				
Storage	4G internal memory				
Software	Thirmview pro				
Connect	USB, wifi				
Temperature measurement warning system	Yes				



Model AI-2020

AI-200/201/202 Intelligent epidemic prevention infrared thermal imager

Specifications		AI-200	AI-201	AI-202
Imaging and optical data				
IR Resolution		80x80	160x120	384x288
Focal Plane A rray		Uncooled microbolometer/8~14um		
Field of Vi ew		21x21	29.8x22.6	41x31
Focal length		7.5mm	7.5mm	9mm
Spatial resolution		4.53mrad	3.33mrad	1.89mrad
NETD (@25°C,F#1.0)		<0.1°C 100mK	<0.8°C 80mK	<0.5°C 50mK
Image Frequency/ Focus		50Hz/ Manual		
Measurement				
Object temperature range		32°C to 42°C(-89.6°F to +107.6°F) -20 to 150°C (-4 to 302°F) 0 to 650°C (32 to 1202°F)		
Face tracking		Intelligent face tracking,detect 10 faces at the same time		
Built-in visible digital camera		2M Pixels		
Accuracy		$\pm 0.5^{\circ}\text{C}$ (32~42°C, Screening mode) $\pm 2^{\circ}\text{C}$, Normal temperature measurement range		
Image adjustment				
Color palettes		Grey/Grey Inverted/IRON/Rainbow		
Imageing Algorithm		Intelligent image enhancement		
Interfaces				
Video output/ Digital output		RJ45 Enthenet/ Standard PAL /USB UVC		
Communication interface		HTTP/RTSP		
Power/ Power consumption		5 VDC/ <1.8W @25°C		

Size(HxWxD): 85mm x 75mm x 60mm Weight: 193g



Model AI-200



EMC
EN: 61326
EN: 60825-1



Cold chain temperature and humidity data recording solutions



CE

EMC
EN: 61326

When transporting pharmaceuticals, clearly defined temperature and humidity limit values usually need to be complied seamlessly and continuously. Breaching these limit values can result in irreversible damage to the active substances or to the composition of the pharmaceuticals.

The control of the entire cold chain from production through to the delivery is an absolute must for GxP-compliant quality management, in order not only to ensure product quality, but also to avoid potential financial losses.

In clinics and hospitals, temperature and humidity values have the highest priority. Medicines and blood products, for example, need defined constant temperatures, in order not to spoil.



DT-1700H

7.7" TFT color Large LCD screen, convenient for direct viewings of key information including temperature, humidity, and dew point curve change data, Wet bulb, GPP, alarm status, etc. Data logger record up to 80 million data points, suitable for food production, environmental monitoring, medical and health, fire safety, warehouse, office, etc.



DT-270TK

The 270TK Food safety type-k thermometer in the food sector, cooling chain compliance has to be checked and verified. The ambient conditions may also have an influence on product quality. This makes continuous monitoring of temperature and relative humidity in the warehouse essential.



DT-191A

Larger LCD display output PDF Temperature & Humidity datalogger, high accuracy sensor, up to 32,000 recording points. A wide measuring range: -30°C to 70°C/-22°F~158°F;

Built-in USB connector, no cable required to download data.



DT-194TH

194TH series output PDF Temperature/Humidity & Vibration dataloggers can monitor temperature/humidity/Vibration values efficiently and conveniently for long time by using the Datalogger. 194TH is thermocouple datalogger.

The readings are saved in the logger and simply read out by your PC with USB interface.



DT-193

193 series Plug-PDF Temperature/Humidity/vibration dataloggers can monitor temperature/humidity/vibration values efficiently and conveniently for long time by using the Datalogger. 193TB1/193HB1 are with bluetooth, the readings can be read on the smartphone by APP software. 193TN1/193HN1 are with NB-IOT function, the readings will be uploaded to cloud server and can be read on the smart phone.

The readings are saved in the logger and simply read out by your PC with USB interface.