

# DATA SHEET

## TOUCH PAD MULTIMETER VA90A/ VA90B

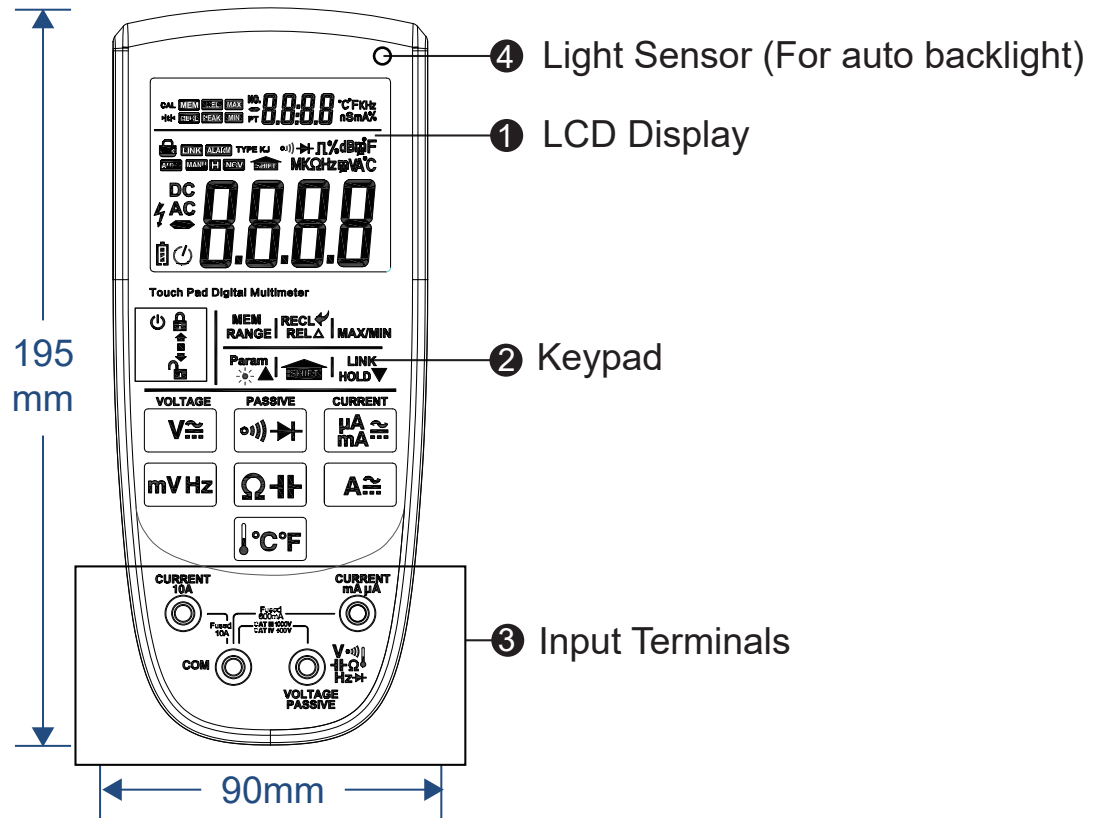
### PRODUCT HIGHLIGHTS



- 5999 Counts Digital Multimeter
- Voltage Measurement up to 1000V AC/ DC
- Current Measurement up to 10A AC/ DC
- Resistance Measurement up to 60MΩ
- True RMS
- MAX/ MIN
- Relative Measurement
- Duty Cycle
- Diode Test
- Continuity & Buzzer Indication
- Data Hold
- Low Battery Indication
- Auto Power Off
- In-voltage Alarm
- Hazard Voltage Indication
- Backlight
- Battery 1.5V AA x 2/ Li-battery



## 1. PANEL AND CONSTRUCTURE



## 2. LCD AND SYMBOL




- Display/ char. height: 7-segment characters/ 22 mm
- Number of digits:  $3\frac{5}{6}$  / 5999 steps
- Overflow display: "OL" is displayed
- Polarity display: "\_" displayed automatically
- Sample rate: 3 times/ sec for digital data

## 3. TOUCH PAD MULTIMETER SELECTION GUIDE

	VA90A	VA90B
DC Voltage	60mV/ 600mV/ 6V/ 60V/ 600V/ 1000V±(0.15%+2)	
AC Voltage	60mV/ 600mV/ 6V/ 60V/ 600V/ 1000V±(0.8%+5)	
DC Current	600µA/ 6000µA/ 60mA/ 600mA/ 6A/ 10A±(1.5%+5)	
AC Current	600µA/ 6000µA/ 60mA/ 600mA/ 6A/ 10A±(2.0%+8)	
Resistance	600Ω/ 6kΩ/ 60kΩ/ 600kΩ/ 6MΩ/ 60MΩ±(1.5%+5)	
Capacitance	6nF/ 60nF/ 600nF/ 6µF/ 60µF/ 600µF/ 6mF/ 60mF±(10.0%+30)	
Logic Frequency	9.9Hz/ 99.9Hz/ 999.9Hz/ 9.9kHz/ 99.9kHz/ 999.9kHz±(0.1%+3)	
Linear Frequency	99.9Hz/ 999.9Hz/ 9.9kHz±(0.05%+5)	
Temperature	-200°C~1000°C±2.0%	
Display Counts	5999	
Safety Rating	CAT IV 600V	
LCD Size	62 x 50 mm	
Duty Cycle	●	
True RMS	●	
MAX/ MIN	●	
Relative Measurement	●	
Continuity Buzzer	●	
Diode Test	●	
Data Hold	●	
Low Power Indication	●	
Auto Power Off	●	
Supportive Stand	●	
Backlight	●	
Hazard Voltage Indication	●	
Invade Voltage Alarm	●	
NCV	-	
Peak Measurement	-	
Bar Graph	-	
Power	1.5V (AA) x 2	Li-battery
Size	195 x 90 x 41 mm	
Weight	~352g (without battery)	

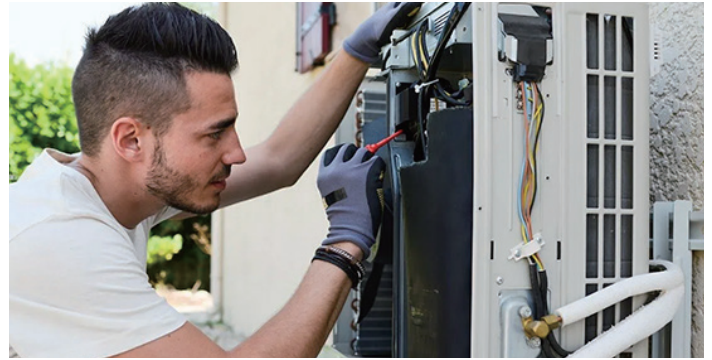
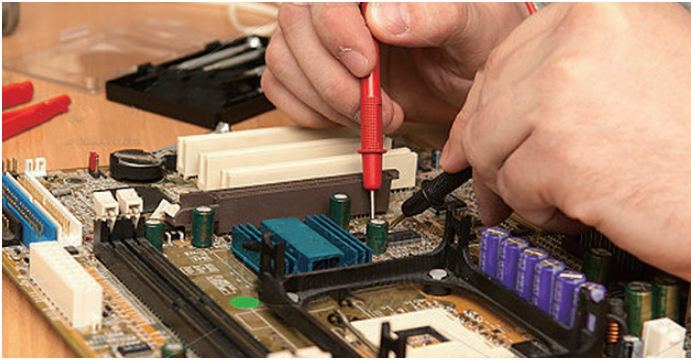
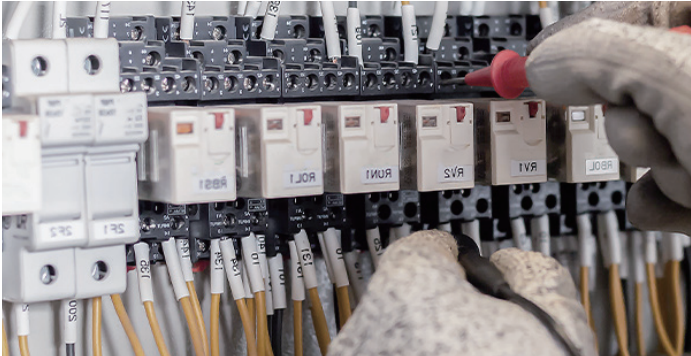
## 4. GENERAL SPECIFICATIONS

Function	Value
Electrical protection class	CAT IV 600 V
Pollution degree	2
Operating altitude	< 2000 m
Operating temperature/ humidity	0°C~40°C, 32°F~104°F (<80% RH, <10°C non-condensing)
Storage temperature/ humidity	-10°C~60°C, 14°F~140°F (<80% RH, battery removed)
Typical temperature coefficient	0.1 x (specified accuracy) / °C (<18°C or >28°C)
Low battery indicator	The "  " is displayed when the battery is under the proper operation range
EMC	EN 61326-1
Safety LVD	EN 61010-1 EN 61010-031 EN 61010-033
Fuse	µA and mA: F 0.63A/ 1000V Φ10.3 x 38; A: F 10A/ 1000V Φ10.3 x 38
Power supply	1.5V (AA) x 2/ Li-battery
Dimension/ weight	195(L) x 90(W) x 41(H) mm/ Approx 352g (without battery)

## 5. SCOPE OF SUPPLY

Model Number	Scope of Supply	Quantity
VA90A/ VA90B	Digital Multimeter	1 Piece
	Test Leads	1 Set
	Temperature Sensor	1 Piece
	Micro-USB Cable (VA90B)	1 Piece
	User Manual	1 Piece
	Battery 1.5V (AA)/ Li-battery (VA90B)	2 Pieces 1 Piece
	Box	1 Piece

## 6. APPLICATIONS



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### Shanghai VA Instrument Co., Ltd.

#### Factory

Add: Area A/ D, 4th floor, Building 22,  
258 Yinlong Road, Waigang Town,  
Jiading District, Shanghai 201814, China

Tel: +86-21-69521064

Email: [sales@vainstruments.com](mailto:sales@vainstruments.com)

#### R&D Center

Add: Room 901-8, Building 1, Rongchuang Xihuan  
Center, Lane 77, Tingxueyuan Road, Nanxiang  
Town, Jiading District, Shanghai 201802, China

Tel: +86-021-31211820

Email: [tech@vainstruments.com](mailto:tech@vainstruments.com)