

DATA SHEET

INSULATION MULTIMETER VA588

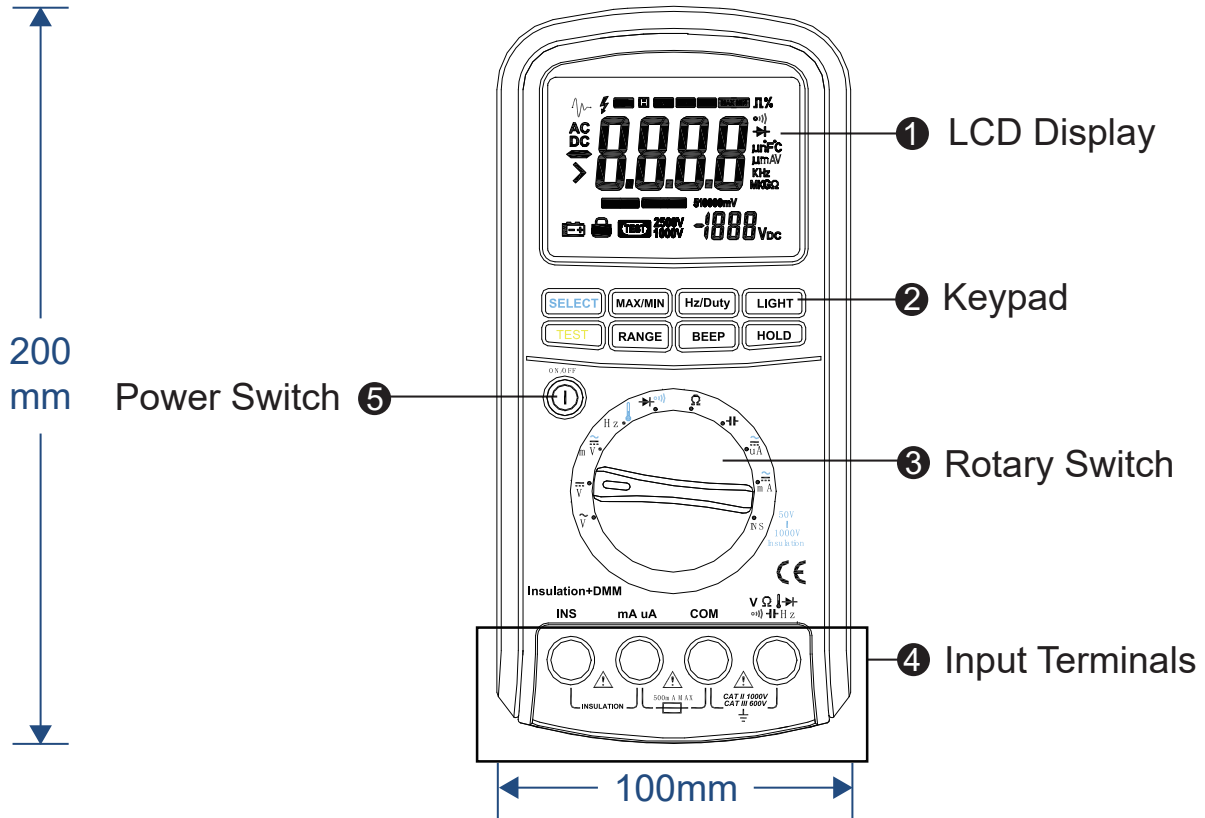
PRODUCT HIGHLIGHTS



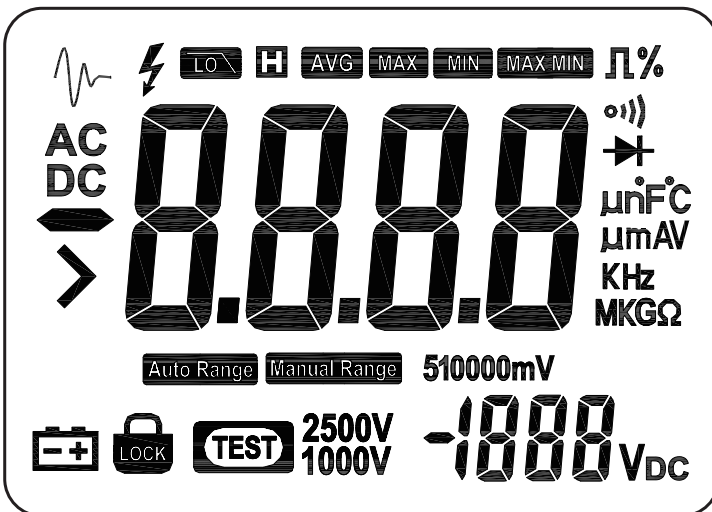
- 4999 Counts Digital Multimeter
- Voltage Measurement up to 1000V AC/ DC
- Current Measurement up to 500mA AC/ DC
- Resistance Measurement up to 50MΩ
- Insulation Resistance Measurement from 50kΩ to 2GΩ
- True RMS
- MAX/ MIN
- Duty Cycle
- Diode Test
- Continuity & Buzzer Indication
- Data Hold
- Low Battery Indication
- Auto Power Off
- Backlight
- Battery 1.5V (AAA) x 6



1. PANEL AND CONSTRUCTURE



2. LCD AND SYMBOL




- Display/ char. height: 7-segment characters/ 15.7 mm
- Number of digits: 3⁴/₅ / 4999 steps
- Overflow display: "OL" is displayed
- Polarity display: "_ "displayed automatically
- Sample rate: 2.5 times/ sec for digital data

3. TECHNICAL SPECIFICATIONS

	VA588
DC Voltage	500mV/ 5V/ 50V/ 500V/ 1000V±(0.1%+2)
AC Voltage	500mV/ 5V/ 50V/ 500V/ 1000V±(1.0%+4)
DC Current	500µA/ 5000µA/ 50mA/ 500mA±(0.2%+2)
AC Current	500µA/ 5000µA/ 50mA/ 500mA±(0.8%+4)
Resistance	500Ω/ 5kΩ/ 50kΩ/ 500kΩ/ 5MΩ/ 50MΩ±(0.8%+5)
Capacitance	50nF/ 500nF/ 5µF/ 50µF/ 500µF/ 1000µF±(3.0%+10)
Logic Frequency	5Hz~200MHz±4
Linear Frequency	5Hz~200kHz±4
Temperature	-40°C~537°C±(1.0%+1.5)
Insulation Test Voltage	1000V
Insulation Resistance	2GΩ
Display Counts	4999
Safety Rating	CAT IV 600V
LCD Size	64 x 33.5 mm
True RMS	●
MAX/ MIN	●
Duty Cycle	●
Diode Test	●
Data Hold	●
Low Power Indication	●
Auto Power Off	●
Supportive Stand	●
Backlight	●
NCV	-
Relative Measurement	-
Peak Measurement	-
USB Interface	-
Bar Graph	-
Continuity Buzzer	-
Power	1.5V (AAA) x 6
Size	200 x 100 x 40 mm
Weight	~560g (without battery)

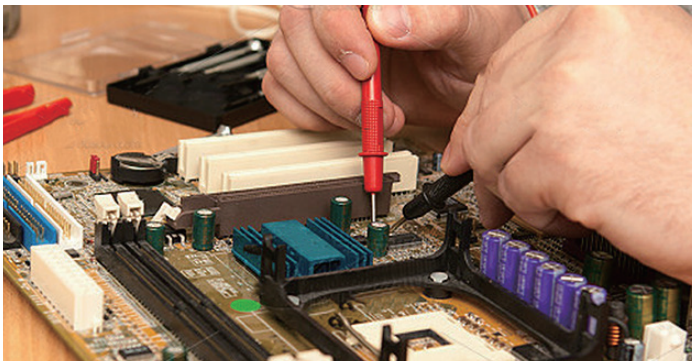
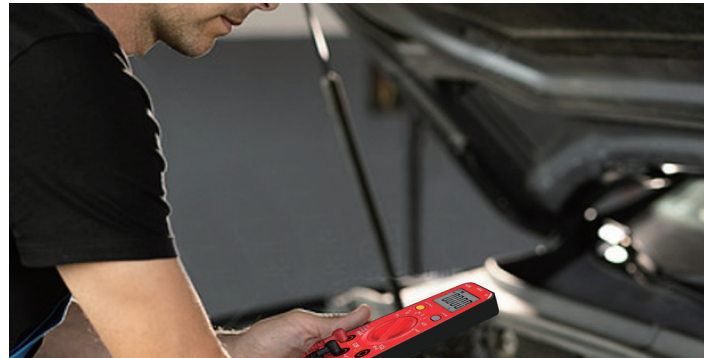
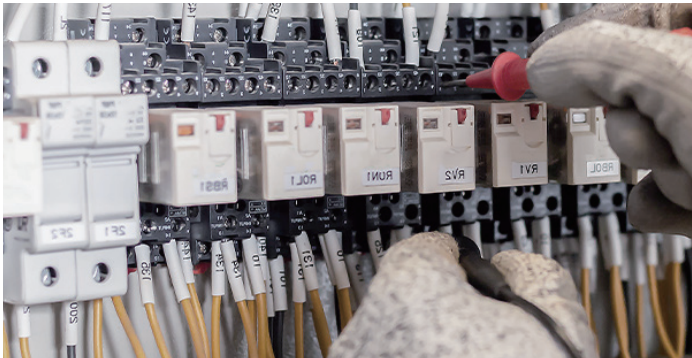
4. GENERAL SPECIFICATIONS

Function	Value
Electrical protection class	CAT IV 600 V
Pollution degree	2
Operating altitude	< 2000 m
Operating temperature/ humidity	0°C~30°C, 32°F~86°F (<80% RH, <10°C non-condensing) 31°C~51°C, 88°F~124°F (<50% RH, <10°C non-condensing)
Storage temperature/ humidity	-20°C~60°C, -4°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/600V Φ6 x 30
Power supply	1.5V (AAA) x 6
Dimension/ weight	200(L) x 100(W) x 40(H) mm/ Approx 560g (without battery)

5. SCOPE OF SUPPLY

Model Number	Scope of Supply	Quantity
VA588	Insulation Multimeter	1 Piece
	Test Leads	1 Set
	Temperature Sensor	1 Piece
	Alligator Clips	1 Set
	User Manual	1 Piece
	Battery 1.5V (AAA)	6 Pieces
	Box	1 Piece

6. APPLICATIONS



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