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
- Duty Cycle
- True RMS
- MAX/MIN
- Continuity Buzzer
- Diode Test
- Data Hold
- Low Battery Indication
- Auto Power Off
- Backlight
- Battery 1.5V (AAA) x6

























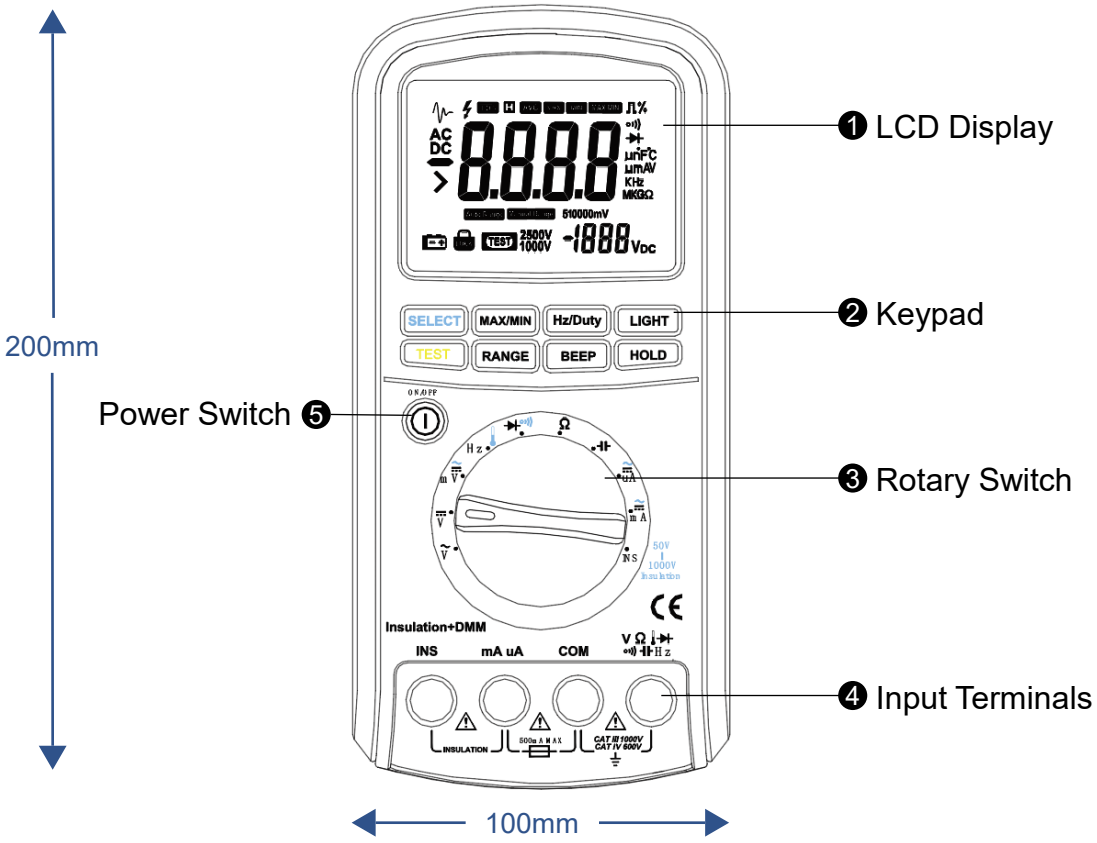




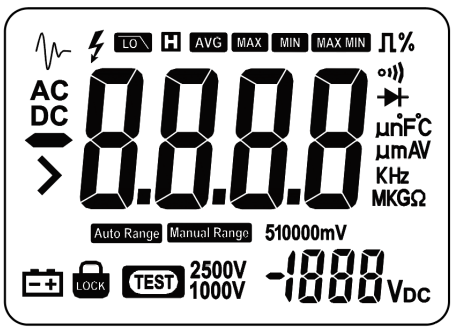




1. PANEL AND CONSTRUCTURE



2. LCD AND SYMBOL



- Display/char. height: 7-segment characters/15.7 mm
- Display counts: 4999
- 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~2MHz ± 4
Linear Frequency	5Hz~500kHz ± 4
Temperature	-40° C~537° C ± (1.0%+1.5)
Insulation Test Voltage	1000V
Insulation Resistance	0.05MΩ~2GΩ
Display Counts	4999
Safety Rating	CAT IV 600V
LCD Size	64 x 33.5mm
Duty Cycle	●
True RMS	●
MAX/MIN	●
Continuity Buzzer	●
Diode Test	●
Data Hold	●
Low Battery Indication	●
Auto Power Off	●
Backlight	●
Supportive Stand	●
Auto/Manual Range	●
Relative Measurement	○
USB Interface	○
Bar Graph	○
Power	Battery 1.5V (AAA) x6
Size	200 x 100 x 40mm
Weight	~560g (without battery)

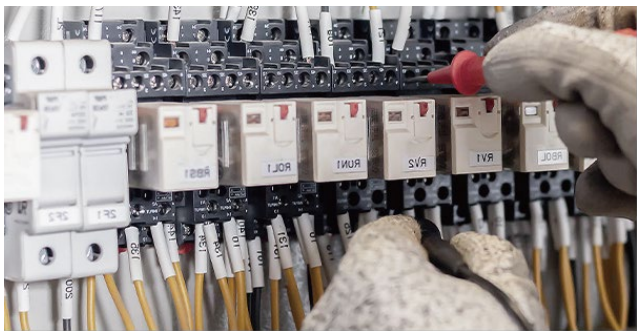
4. GENERAL SPECIFICATIONS

Function	Value
Electrical Protection Class	CAT IV 1000V
Pollution Degree	2
Operating Altitude	<2000m
Operating Temperature/Humidity	0° C~30° C, 32° F~86° F (<80%RH, non-condensing) 31° C~51° C, 88° F~124° F (<50%RH, non-condensing)
Storage Temperature/Humidity	-20° C~60° C, -4° F~140° F (≤80%RH, battery removed)
Typical Temperature Coefficient	0.1x (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 Φ6x30mm
Power Supply	Battery 1.5V (AAA) x6
Dimension/Weight	200(L) x 100(W) x 40(H) mm / Approx 560g (without battery)

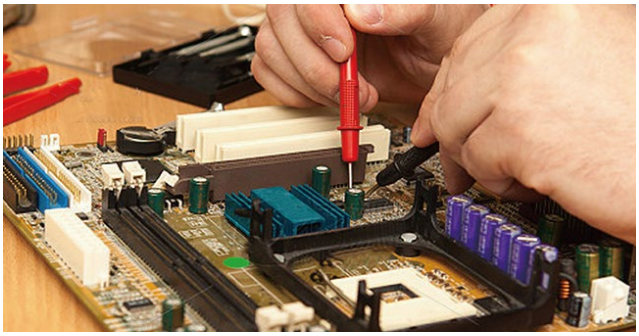
5. SCOPE OF SUPPLY

Model Number	Scope of Supply	Quantity
VA588	Insulation Multimeter	1 Piece
	Test Leads	1 Set
	K-Type Thermocouple	1 Piece
	Alligator Clips	1 Set
	User Manual	1 Piece
	Battery 1.5V (AAA)	Not included
	Carry Bag	1 Piece
	Box	1 Piece

6. APPLICATIONS









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www.vainstruments.com

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*Datasheet subject to change without notice