

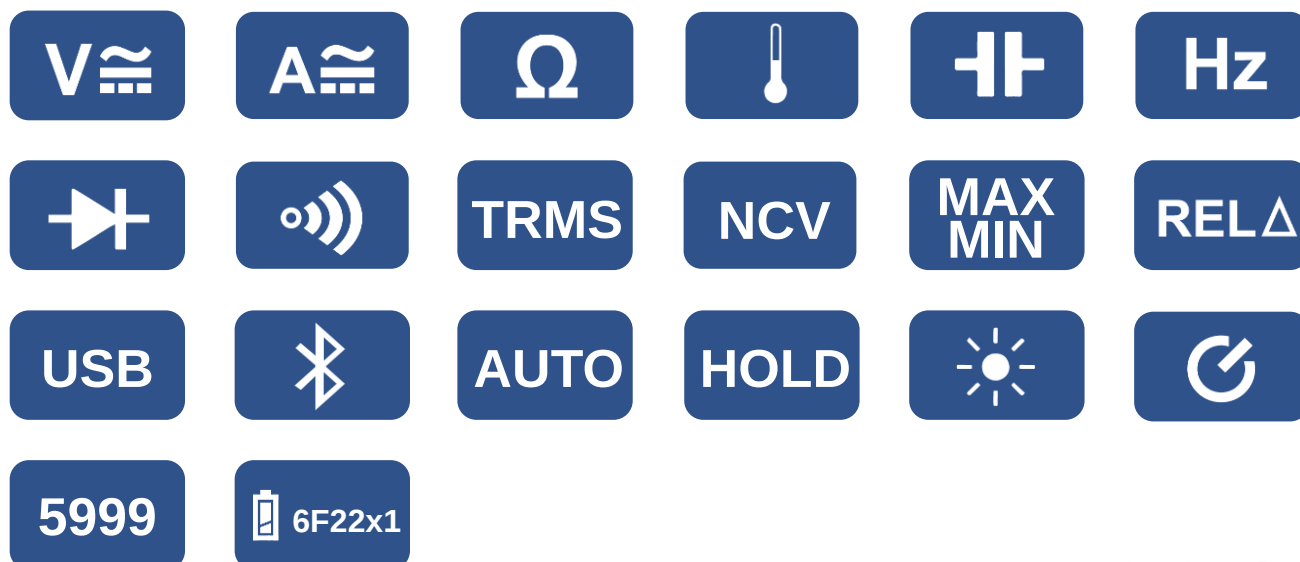
DATASHEET

AUTO RANGE MULTIMETER – VA40 / VA40R / VA40BT

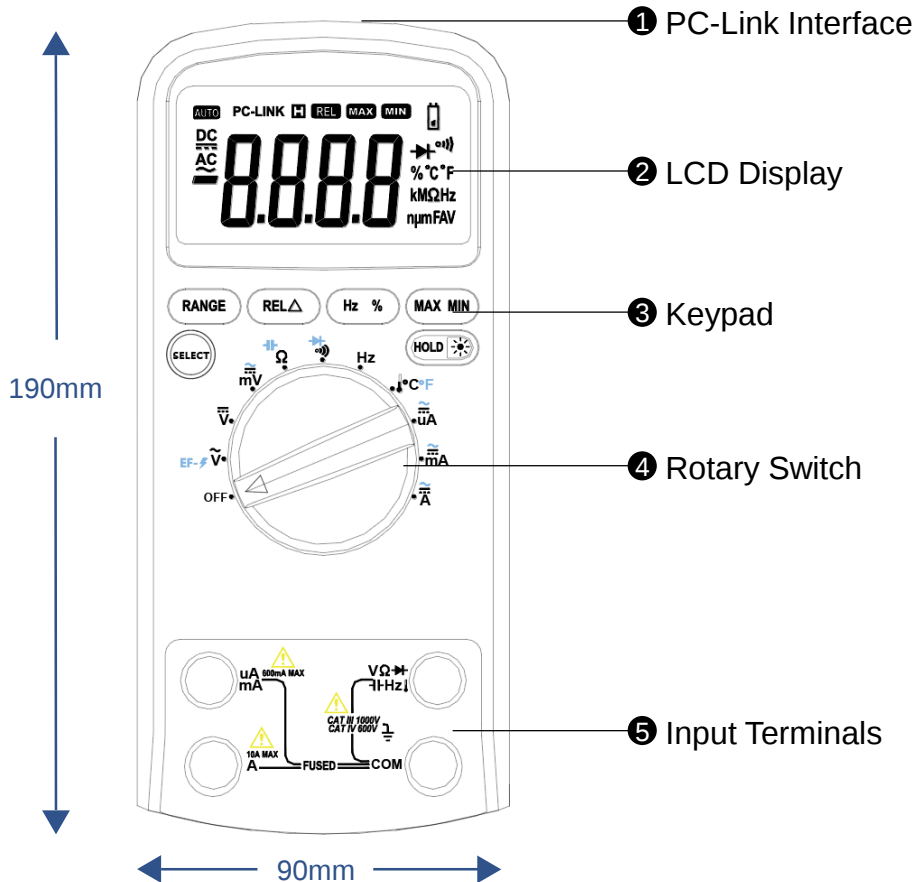
PRODUCT HIGHLIGHTS



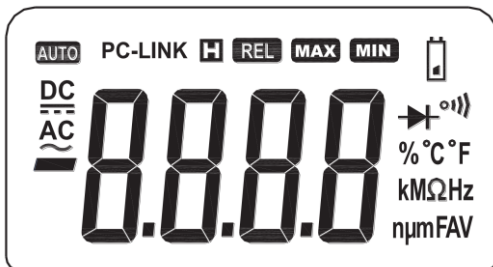
- 5999 Counts Digital Multimeter
- Voltage Measurement up to 1000V AC/DC
- Current Measurement up to 10A AC/DC
- Resistance Measurement up to 60MΩ
- True RMS
- Non-contact Voltage Detect (NCV)
- MAX/MIN
- Relative Measurement
- Data Interface (Model Dependent):
USB/Bluetooth
- Duty Cycle
- Continuity Buzzer & Diode Test
- Data Hold
- Low Battery Indication
- Auto Power Off
- Backlight
- Battery 9V (6F22) x1



1. PANEL AND CONSTRUCTURE



2. LCD AND SYMBOL



- Display/char. height: 7-segment characters/21.3mm
- Display counts: 5999
- Overflow display: "OL" is displayed
- Polarity display: "_ " displayed automatically
- Sample rate: 3 times/sec for digital data

3. AUTO RANGE MULTIMETER SELECTION GUIDE

	VA40	VA40R	VA40BT
DC Voltage	600mV/6V/60V/600V/1000V $\pm$ (1.0%+2)		
AC Voltage	600mV/6V/60V/600V/1000V $\pm$ (1.5%+5)		
DC Current	600 μ A/6000 μ A/60mA/600mA/6A/10A $\pm$ (1.5%+5)		
AC Current	600 μ A/6000 μ A/60mA/600mA/6A/10A $\pm$ (3%+8)		
Resistance	600 Ω /6k Ω /60k Ω /600k Ω /6M Ω /60M Ω $\pm$ (1.5%+5)		
Capacitance	60nF/60nF/600nF/6 μ F/60 μ F/600 μ F/6mF (5.0%+20)		
Logic Frequency	1Hz~1MHz $\pm$ (0.1%+3)		
Linear Frequency	6Hz~10kHz $\pm$ (0.05%+8)		
Temperature	-200°C~1200°C $\pm$ (2.0%+2)		
Display Counts	5999		
Safety Rating	CAT IV 600V & CAT III 1000V		
LCD Size	64 x 33.5mm		
Duty Cycle	●	●	●
True RMS & NCV	●	●	●
MAX/MIN	●	●	●
Relative Measurement	●	●	●
USB Interface	○	●	○
Continuity Buzzer	●	●	●
Diode Test	●	●	●
Data Hold	●	●	●
Low Battery Indication	●	●	●
Auto Power Off	●	●	●
Backlight	●	●	●
Supportive Stand	●	●	●
Auto/Manual Range	●	●	●
Bluetooth*	○	○	●
Power	Battery 9V (6F22)x1		
Size	190 x 90 x42mm		
Weight	~412g (without battery)		

*VA40BT Bluetooth Mode:

1. Bluetooth SPP mode, supports IOS and Windows PC-LINK software on PC.
2. Bluetooth BLE mode, supports Windows PC, Android and IOS browsers.

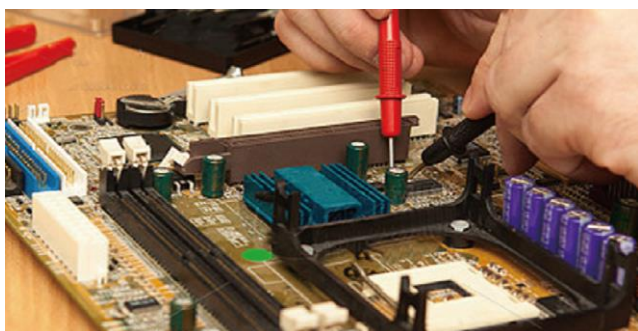
4. GENERAL SPECIFICATIONS

Function	Value
Electrical Protection Class	CAT IV 600V & CAT III 1000V
Pollution Degree	2
Operating Altitude	<2000m
Operating Temperature/Humidity	0°C~40°C, 32°F~104°F (<80%RH, non-condensing)
Storage Temperature/Humidity	-10°C~60°C, 14°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 0.63mA/1000V Φ10.3x38mm A: F 10A/600V Φ10.3x38mm
Power Supply	Battery 9V (6F22) x1
Dimension/Weight	190(L) x 90(W) x 42(H) mm / Approx 412g (without battery)

5. SCOPE OF SUPPLY

Model Number	Scope of Supply	Quantity
VA40 VA40R VA40BT	Digital Multimeter	1 Piece
	Test Leads	1 Set
	K-Type Thermocouple	1 Piece
	Multi-function Socket (Optional)	1 Piece
	USB Cable (Only 40R)	1 Piece
	PC-Link Software CD (Only 40R)	1 Piece
	User Manual	1 Piece
	Battery 9V (6F22)	1 Piece
	Carry Bag	1 Piece
	Box	1 Piece

6. APPLICATIONS



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