

DATA SHEET

AUTO RANGE MULTIMETER VA40/ VA40R

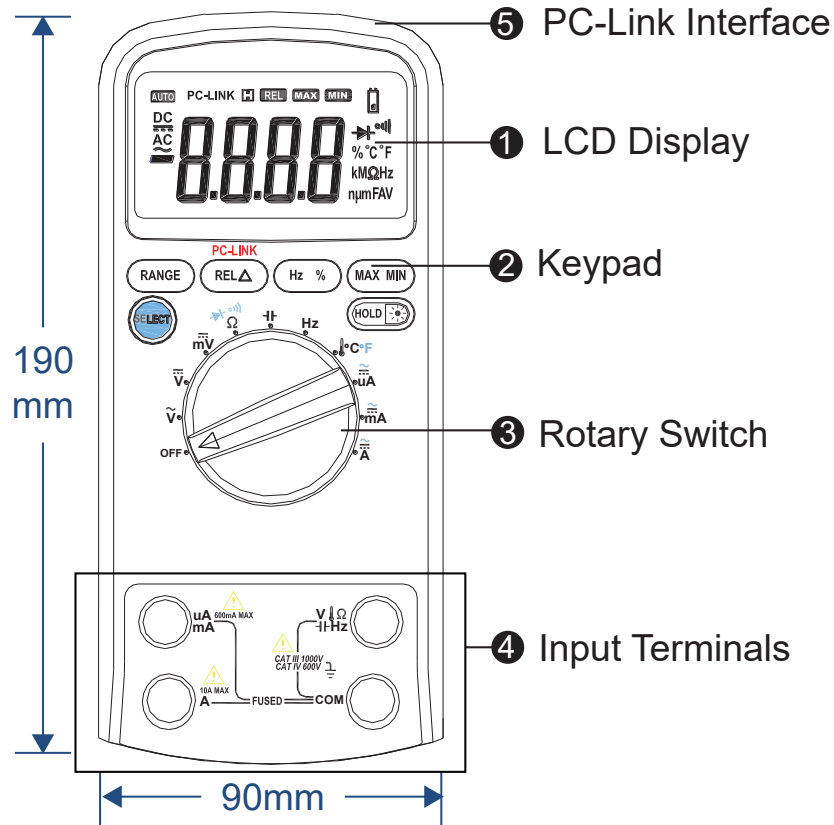
PRODUCT HIGHLIGHTS



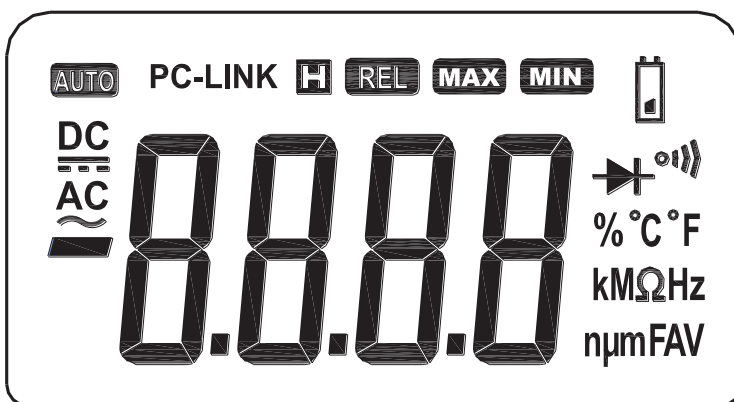
- 5999 Counts Digital Multimeter
- Voltage Measurement up to 1000V AC/ DC
- Current Measurement up to 10A AC/ DC
- Resistance Measurement up to 60MΩ
- True RMS
- Non-contact Voltage Detect (NCV)
- MAX/ MIN
- Relative Measurement
- USB Interface (Model Dependent)
- Diode Test
- Continuity & Buzzer Indication
- Data Hold
- Low Battery Indication
- Auto Power Off
- Backlight
- Battery 9V (6F22) x 1



1. PANEL AND CONSTRUCTURE



2. LCD AND SYMBOL




- Display/ char. height: 7-segment characters/ 21.3 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. AUTO RANGE MULTIMETER SELECTION GUIDE

	VA40	VA40R
DC Voltage	600mV/ 6V/ 60V/ 600V/ 1000V±(1.0%+2)	
AC Voltage	600mV/ 6V/ 60V/ 600V/ 1000V±(1.5%+5)	
DC Current	600µA/ 6000µA/ 60mA/ 600mA/ 6A/ 10A±(1.5%+5)	
AC Current	600µA/ 6000µA/ 60mA/ 600mA/ 6A/ 10A±(3%+8)	
Resistance	600Ω/ 6kΩ/ 60kΩ/ 600kΩ/ 6MΩ/ 60MΩ±(1.5%+5)	
Capacitance	6nF/ 60nF/ 600nF/ 6µF/ 60µF/ 600µF/ 6mF±(5.0%+20)	
Logic Frequency	1Hz~1MHz±(0.1%+3)	
Linear Frequency	6Hz~10kHz±(0.05%+8)	
Temperature	-200°C~1200°C±2.0%	
Display Counts	5999	
Safety Rating	CAT IV 600V	
LCD Size	64 x 33.5 mm	
True RMS	•	•
NCV	•	•
MAX/ MIN	•	•
Relative Measurement	•	•
USB Interface	-	•
Continuity Buzzer	•	•
Diode Test	•	•
Data Hold	•	•
Low Power Indication	•	•
Auto Power Off	•	•
Supportive Stand	•	•
Backlight	•	•
Peak Measurement	-	-
Bar Graph	-	-
Power	9V battery (6F22) x 1	
Size	190 x 90 x 42 mm	
Weight	~412g (without battery)	

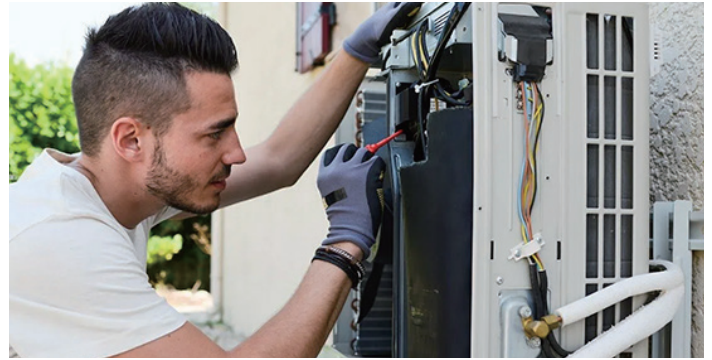
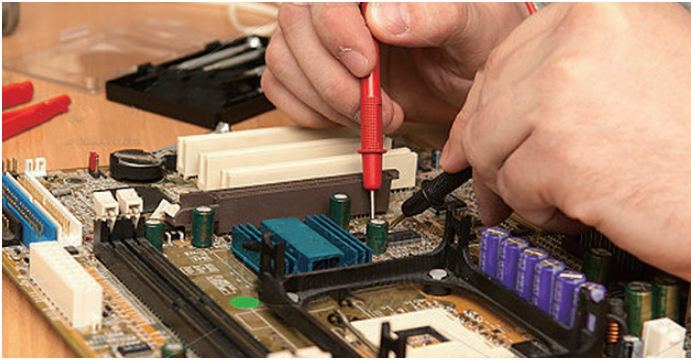
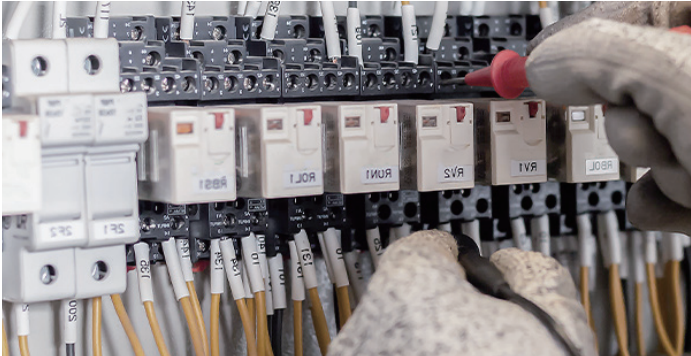
4. GENERAL SPECIFICATIONS

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	9V (6F22) x 1
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	Digital Multimeter	1 Piece
	Test Leads	1 Set
	Temperature Sensor	1 Piece
	PC-Link Software CD	1 Piece
	USB Cable	1 Piece
	Multi-Function Socket (Optional)	1 Piece
	User Manual	1 Piece
	Battery 9V (6F22)	1 Piece
	Box	1 Piece

6. APPLICATIONS



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