

DATA SHEET

AUTO RANGE MULTIMETER VA17/VA17A

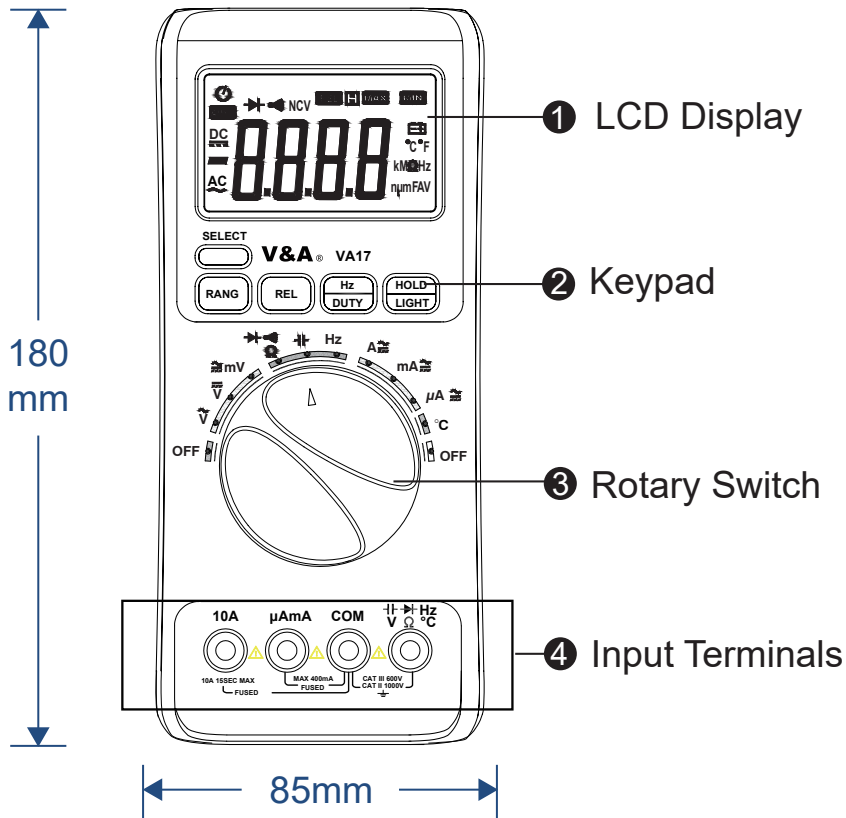
PRODUCT HIGHLIGHTS



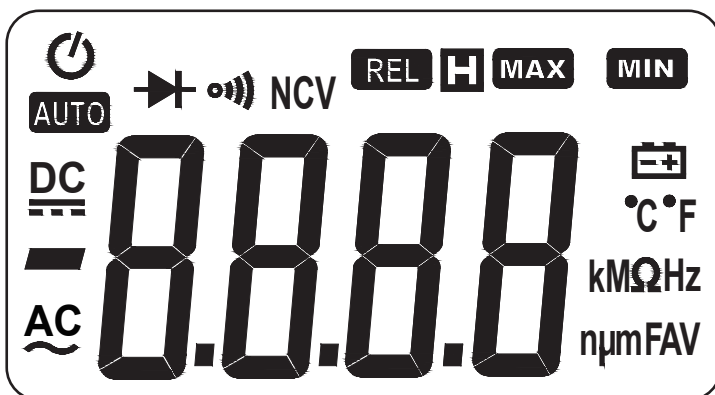
- 3999 Counts Digital Multimeter
- Voltage Measurement up to 1000V AC/DC (Model Dependent)
- Current Measurement up to 10A AC/DC
- Resistance Measurement up to 40MΩ
- Relative Measurement
- Duty Cycle
- Diode Test
- Continuity & Buzzer Indication
- Data Hold
- Low Battery Indication
- Auto Power Off
- Backlight
- Battery 9V (6F22) x 1



1. PANEL AND CONSTRUCTURE



2. LCD AND SYMBOL




- Display/ char. height: 7-segment characters/ 15.7 mm
- Number of digits: $3\frac{3}{4}$ /3999 steps
- Overflow display: "OL" or "-OL" is displayed
- Polarity display: "-" displayed automatically
- Sample rate: 3 times/ sec for digital data

3. AUTO RANGE MULTIMETER SELECTION GUIDE

	VA17	VA17A
DC Voltage	400mV/4V/40V/400V/1000V±(0.5%+3)	
AC Voltage	400mV/4V/40V/400V/700V±(1.2%+3)	400mV/4V/40V/400V/1000V±(1.2%+3)
DC Current	400µA/4000µA/40mA/400mA/4A/10A±(2.0%+8)	
AC Current	400µA/4000µA/40mA/400mA/4A/10A±(3.0%+10)	
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ±(1.5%+3)	
Capacitance	50nF/500nF/5µF/50µF/100µF±(3.0%+5)	40nF/400nF/4µF/40µF/400µF/4mF±(3.0%+5)
Logic Frequency	50Hz/500Hz/5kHz/ 50kHz/100kHz±(0.1%+3)	40Hz/400Hz/4kHz/4MHz±(0.1%+3)
Temperature	-55°C~1000°C±(2.0%)	-200°C~1000°C±(2.0%)
Display Counts	3999	
Safety Rating	CAT II 1000V	
LCD Size	54 x 31 mm	
Duty Cycle	●	-
Relative Measurement	●	
Diode Test	●	
Continuity Buzzer	●	
Data Hold	●	
Low Battery Indication	●	
Auto Power Off	●	
Supportive Stand	●	
Backlight	●	
NCV	-	●
MAX/ MIN	-	●
True RMS	-	
Power	9V (6F22) x 1	
Size	180 x 85 x 46 mm	
Weight	~264g (without battery)	

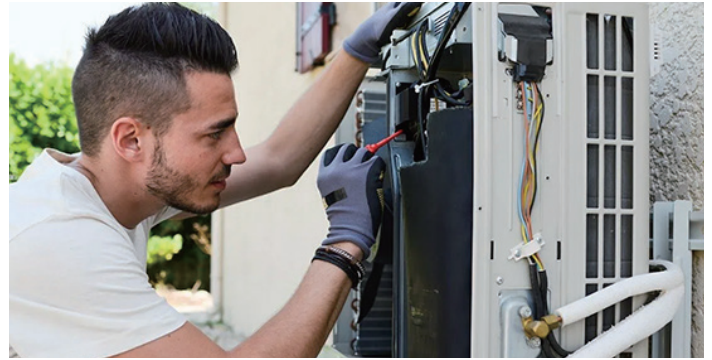
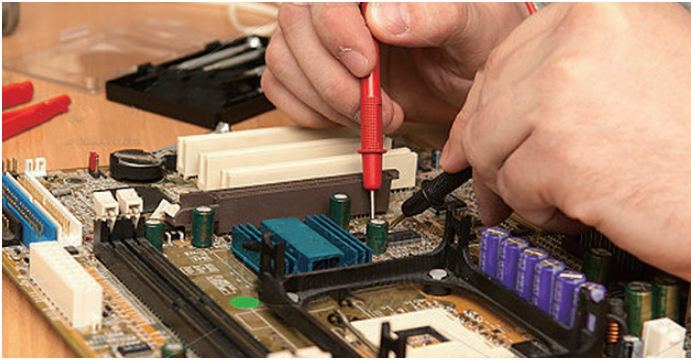
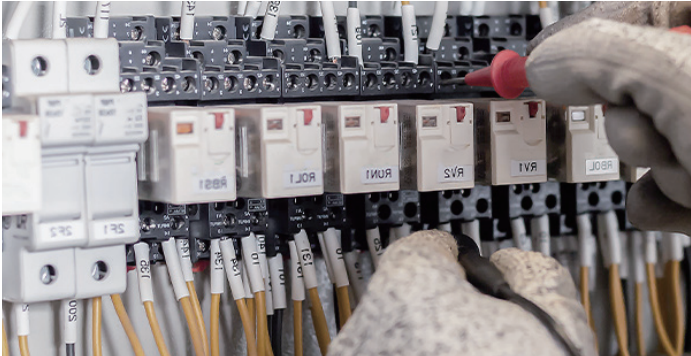
4. GENERAL SPECIFICATIONS

Function	Value
Electrical protection class	CAT II 1000V
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 500mA/600V (quick acting) Φ5 x 20; F 10A/600V Φ6.3 x 32
Power supply	9V (6F22) x 1
Dimension/weight	180(L) x 85(W) x 46(H) mm/ Approx 264g (without battery)

5. SCOPE OF SUPPLY

Model Number	Scope of Supply	Quantity
VA17/VA17A	Digital Multimeter	1 Piece
	Test Leads	1 Set
	Temperature Sensor	1 Piece
	User Manual	1 Piece
	Battery 9V (6F22)	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

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