

DATA SHEET

5-IN-1 MULTIMETER FOR ENVIRONMENT VA19

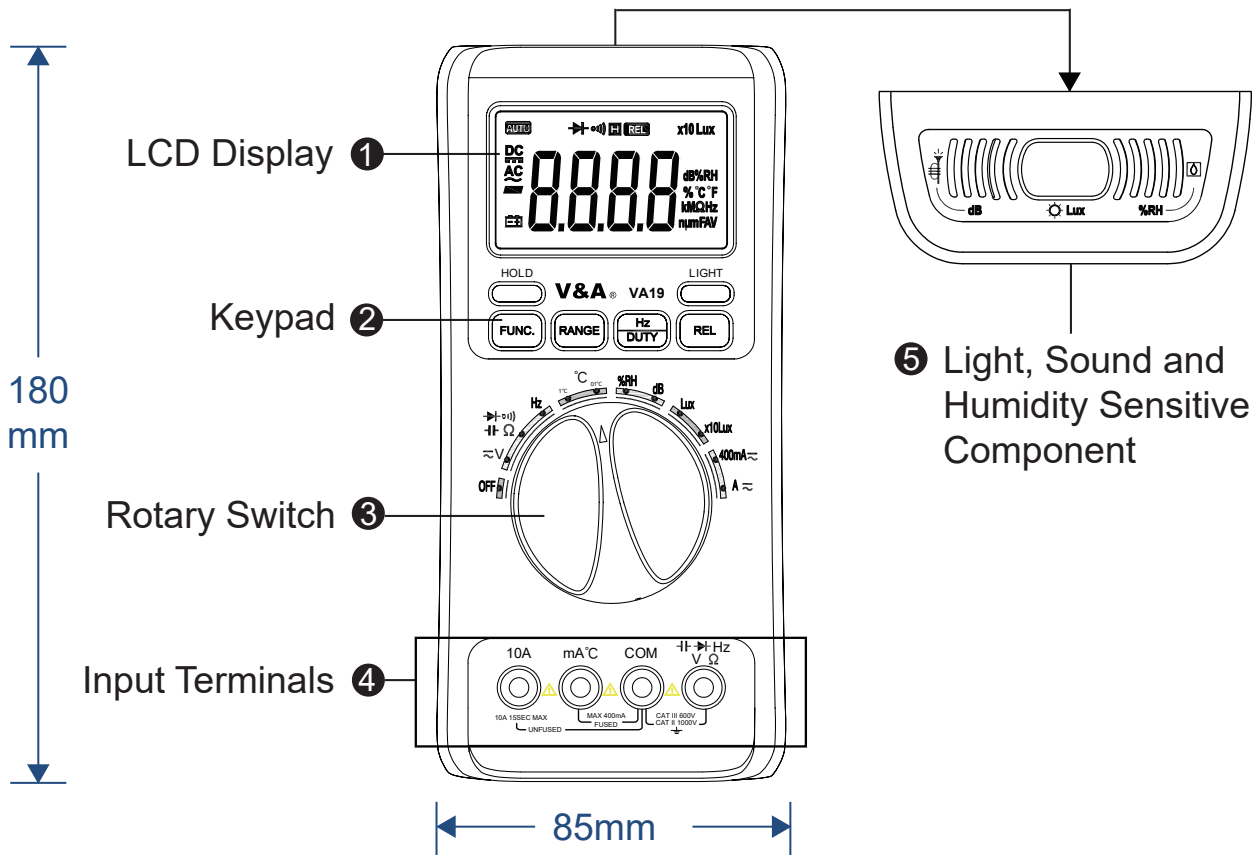
PRODUCT HIGHLIGHTS



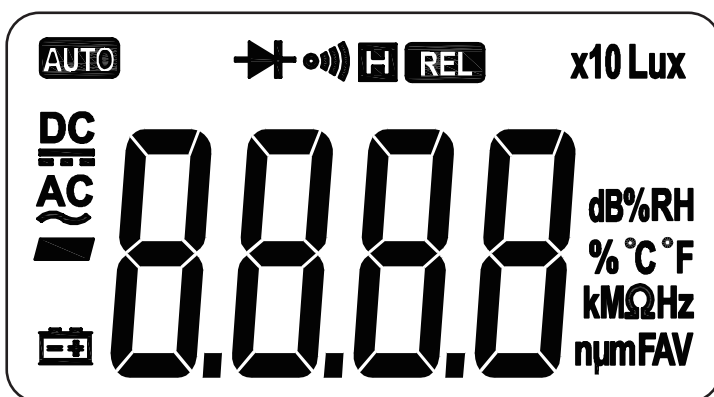
- 3999 Counts Digital Multimeter
- Voltage Measurement up to 1000V DC
- Voltage Measurement up to 700V AC
- Current Measurement up to 10A AC/ DC
- Resistance Measurement up to 40MΩ
- Relative Measurement
- Duty Cycle
- Diode Test
- Continuity & Buzzer Indication
- Data Hold
- Low Battery Indication
- 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: 2.5 times/ sec for digital data

3. TECHNICAL SPECIFICATIONS

	VA19
DC Voltage	400mV/ 4V/ 40V/ 400V/ 1000V±(1.0%+5)
AC Voltage	4V/ 40V/ 400V/ 700V±(1.5%+6)
DC Current	40mA/ 400mA/ 10A±(2.5%+10)
AC Current	40mA/ 400mA/ 10A±(3.0%+10)
Resistance	400Ω/ 4kΩ/ 40kΩ/ 400kΩ/ 4MΩ/ 40MΩ±(2.0%+8)
Capacitance	4nF/ 40nF/ 400nF/ 4μF/ 40μF/ 100μF±(8.0%+30)
Logic Frequency	9.9Hz/ 99.9Hz/ 999.9Hz/ 9.9kHz/ 99.9kHz/ 199.9kHz±(2.0%+6)
Temperature	-20°C~1000°C±(2.0%+5)
Humidity	30%~90%±10%RH
Sound Level	45dB~100dB±(8.0dB at 94dB)
Light	4000Lux/ 40000Lux±(8.0%+50)
Display Counts	3999
Safety Rating	CAT III 600V
LCD Size	54 x 31 mm
Diode Test	•
Continuity Buzzer	•
Data Hold	•
Relative Measurement	•
Low Power Indication	•
Auto Power Off	•
Supportive Stand	•
Backlight	•
NCV	-
True RMS	-
MAX/ MIN	-
Power	9V (6F22) x 1
Size	180 x 85 x 46 mm
Weight	~264g (without battery)

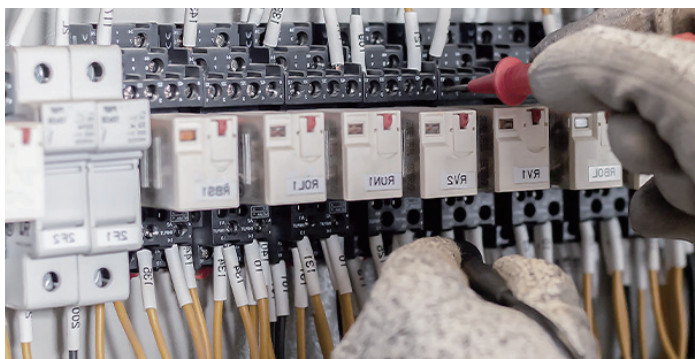
4. GENERAL SPECIFICATIONS

Function	Value
Electrical protection class	CAT III 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~50°C, 10°F~122°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	F 500mA/ 600V (quick acting) Φ 5 x 20; F 10A/ 250V Φ 5 x 20
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
VA19	Digital Multimeter	1 Piece
	Test Leads	1 Set
	Crocodile Clip Lead	1 Set
	Temperature Sensor	1 Piece
	User Manual	1 Piece
	Battery 9V (6F22)	1 Piece
	Box	1 Piece

6. APPLICATIONS



For more information about V&A products
Please visit our website:

WWW.VAINSTRUMENTS.COM

Join US at Facebook and LinkedIn!



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