

# VM3058 Virtual Digital Multimeter

True 5½ digits resolution  
120 rdgs/s Sample Rate  
0.02% DC Voltage Accuracy



Product Dimension: WidthxHeightxDepth= 141 mmx45 mmx217 mm Weight: 1kg

## ► Application Areas

- Manufacturing Test
- Quality Test
- Laboratory
- Scientific research and Education
- Maintenance

## ► Features and Benefits

1. True 5½ digits resolution (240,000-count)
2. 120 rdgs/s Maximum Sample Rate
3. Up to 0.02% Accuracy of DC Voltage
4. Command Compatibility: Replace mainstream DMM randomly via the compatibility of their command
5. Patented Any Sensor test capability
6. Up to 32 Channels Multiplexer Module: Data acquisition, scanning and programmable automatic measurements

## ► Specifications

Measurement Function	Range	Frequency Range/ Test Current	Accuracy:1 Year ± (%of reading +%of range)
DC Voltage	200mV ~ 1000V		0.020 + 0.007
DC Current	200uA~10A		0.040 + 0.006
AC Voltage (RMS)	200mV~750V	20Hz~100kHz	0.25 + 0.08
AC Current (RMS)	20mA~10A	20Hz~10kHz	0.35 + 0.08
Resistance (2-wire and 4-wire)	200Ω~100MΩ		0.025 + 0.007

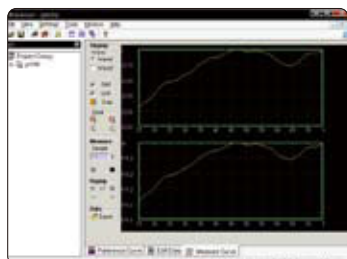
Measurement Function	Range	Frequency Range/Test Current	Accuracy:1 Year ± (%of reading +%of range)
Capacitance	2nF~10000uF		1.0+0.8
Diode	2.4V	1mA	0.05 + 0.006
Frequency and Period	200mV~750V	10Hz~1MHz	0.02+0.003
	20mA~10A	10Hz~100kHz	0.02+0.003
Continuity	2KΩ	1mA	0.05 + 0.006

Note: All the indicators are the typical value under standard test situation

## ► Other Parameters

Measurement Function	DC Voltage, DC Current, AC Voltage (RMS), AC Current (RMS), Resistance (2-wire and 4-wire), Capacitance, Diodes, Frequency and Period, Continuity, Any sensor
Math	"Pass/Fail" Limit Test, Standard Deviation, Histogram, Relatively, Max/Min/Avg, dBm, dB
Other Functions	Built-in 10 groups of configuration storage, 10 groups of configuration storage of any sensor, 2048 historical reading data record and check, 10 groups of historical datum storage, Reading hold, Single trigger
Safety	CAT II 300V, CAT I 1000V, Pollution level 2
Shock and Vibration	MIL-T-28800E, type III, class 5 (Sine Only)
Power Supply	DC 5V ±10%, 10VA peak

## ► Advanced Performance



Ultrasensor Software