

owon® Portable Bench Multimeter - XDM1041 & XDM1241

Small size, diverse functions, good-looking and powerful



**True
RMS**

Hz
Frequency
Measurement

**Data
Hold**

Math

TEMP
Temperature
Measurement

- 3.5-inch high-resolution LCD, providing a clear display
- Display max 55,000 counts ($> 4\frac{4}{5}$ digits), DC voltage accuracy up to 0.05%
- Multiple measurement functions: DC/AC Voltage, DC/AC Current, resistance, capacitance measurement, continuity test, diode test, temperature measurement, AC and frequency (AC + Hz) measurement, MAX/MIN/average measurement, relative measurement (REL_%)
- Reading rates up to 65 readings per second
- AC True RMS measurement, measurement bandwidth: 20 Hz - 1kHz
- Manual or auto record the measured data into internal memory, and displayed in table
- SCPI supported, remote control the multimeter through PC software via USB (or RS232) port
- models available in AC powering (XDM1041) and lithium battery (XDM1241), suitable for different application scenario

+ Technical Specifications

	Measurement Range	Resolution	Accuracy: $\pm$ (% of reading + LSB)
DC Voltage	50.000 mV	0.001 mV	0.1% + 10
	500.00 mV	0.01 mV	0.05% + 5
	5.0000 V	0.0001 V	0.05% + 5
	50.000 V	0.001 V	0.05% + 5
	500.00 V	0.01 V	0.1% + 5
	1000.0 V	0.1 V	0.1% + 10
True RMS AC Voltage	500 mV - 750 V	20 Hz - 45 Hz	1% + 30
		45 Hz - 65 Hz	0.5% + 30
		65 Hz - 1 kHz	0.7% + 30
DC Current	500 μ A	0.01 μ A	0.15% + 20
	5000 μ A	0.1 μ A	0.15% + 10
	50 mA	0.001 mA	0.15% + 20
	500 mA	0.01 mA	0.15% + 10
	5 A	0.0001 A	0.5% + 10
	10 A	0.001 A	0.5% + 10
True RMS AC Current	500 μ A - 500 mA	/	0.5% + 20
	5 A - 10 A		1.5% + 20
Resistance	500 Ω	0.01 Ω	0.15% + 10
	5 k Ω	0.0001 k Ω	0.15% + 5
	50 k Ω	0.001 k Ω	0.15% + 5
	500 k Ω	0.01 k Ω	0.15% + 5
	5 M Ω	0.0001 M Ω	0.3% + 5
	50 M Ω	0.001 M Ω	1% + 10
	Measurement Range	Resolution	Accuracy: $\pm$ (% of reading + LSB)
Diode	3.0000 V	0.0001 V	1% + 10
Continuity	1000 Ω	0.1 Ω	Adjustable threshold
Frequency	10.000 Hz - 60 MHz	/	$\pm$ (0.2% + 10)
Capacitance	50 nF - 500 μ F	/	2.5% + 10
	5 mF - 50 mF	0.1 Ω	5% + 10
Temperature	K type, PT100	Max Display	55,000 counts
Data-logging Function			
Logging Interval	15 mS - 9999.999 S	Logging Length	1,000 points
General			
Display Screen	3.5-inch TFT LCD with resolution 480*320	Dimensions (W×H×D)	200 x 86.5 x 64 (mm)
Port	USB port or RS232 port, choose one of the two	Device Weight	Approx. 0.45 kg

The above parameters are subject to change without further notice, please refer to the official website update.



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