

# XDM3041

Bench-type Digital Multimeter



- + 4 inch 480 x 320 pixels high resolution LCD
- + resolutions up to 4 1/2 digits
- + reading rates up to 150 readings/s
- + true RMS AC voltage / current measurement
- + dual line display supported
- + the change trend analysis accessible via special chart mode
- + SCPI supported - remote control, and data-sharing possible via LAN, USB, RS232 port, and WiFi\*
- \* WiFi module is optional
- + multi- IO interface: USB Device / Host, RS232, LAN, and ext. trigger input

## Data-logger Mode

during recording the measurement value, possible to set the logging duration (min. 5ms), and length, then get access to chart or table result

No.	Function	Reading
0	ACV	019.18 mV
1	ACV	027.75 mV
2	ACV	019.22 mV
3	ACV	019.28 mV
4	ACV	025.39 mV
5	ACV	027.48 mV
6	ACV	027.33 mV
7	ACV	004.52 mV
8	ACV	003.62 mV

27.756mV  
3.123mV  
Points:25

**005.48 mVAC**

Manual 200 mV

**005.40 mVAC**

Manual 200 mV

## + Performance Specifications

XDM3041	Measurement Range	Frequency Range	Accuracy: 1 Year ± (% of reading + % of range)
DC Voltage	600mV, 6V, 60V, 600V, 1000V	/	0.02±0.01
True RMS AC Voltage	600mV, 6V, 60V, 600V, 750V	20Hz - 50Hz	2 + 0.10
		50Hz - 20kHz	0.2 + 0.06
		20kHz - 50kHz	1.0 + 0.05
		50kHz - 100 kHz	3.0 + 0.08
DC Current	600.00 μA, 6.0000 mA, 60.000 mA, 600.00 mA, 6.000 A, 10.0000 A	/	0.06 + 0.02
			0.06 + 0.02
			0.1 + 0.05
			0.2 + 0.02
			0.2 + 0.05
			0.250 + 0.05
True RMS AC Current	60.000 mA, 600.00 mA, 6.0000 A, 10.000 A	20Hz - 45Hz	2 + 0.10
		45Hz - 2kHz	0.50 + 0.10
		2kHz - 10kHz	2.50 + 0.20

XDM3041	Measurement Range	Frequency Range	Accuracy: 1 Year ± (% of reading + % of range)
Resistance	600.00 Ω	/	0.040 + 0.01
	6.0000 kΩ		0.030 + 0.01
	60.000 kΩ		0.030 + 0.01
	600.00 kΩ		0.040 + 0.01
	6.0000 MΩ		0.120 + 0.03
	60.000 MΩ		0.90 + 0.03
Diode Test	3.0000 V	/	0.5 + 0.01
Continuity	1000Ω	/	0.5 + 0.01
Frequency Period	200 mV - 750 V	20 Hz - 2 kHz	0.01 + 0.003
		2 kHz - 20 kHz	0.01 + 0.003
		20 kHz - 200 kHz	0.01 + 0.003
		200 kHz - 1 MHz	0.01 + 0.006
	20 mA - 10 A	20Hz-2kHz	0.01 + 0.003
		2 kHz - 10 kHz	0.01 + 0.003

Test Current			
Capacitance	2.000 nF	200 nA	3 + 1.0
	20.00 nF	200 nA	1 + 0.5
	200.0 nF	2 μA	1 + 0.5
	2.000 μF	10 μA	1 + 0.5
	200 μF	100 μA	1 + 0.5
	10000 μF	1 mA	2 + 0.5
Temperature	temperature sensors under 2 categories supported - thermocouple (ITS-90 conversion between B / E / J / K / N / R / S / T type), and thermal resistance (RTD sensor conversion between Pt100 and Pt385 type)		
Miscellaneous	barmeter   bar charts, trend chart   Vavg, Vmax, Vmin   standard deviation   DB / DBm   Pass / Fail		

Data-logger Function	
Logging Duration	5ms
Logging Length	1M points

General	
Dimension (W x H x D)	235 x 110 x 295 (mm)
Device Weight	3.00 kg

Specifications subject to change without prior notice.

## + Application

- electronic circuit debugging
- education and training
- circuit testing
- automobile maintenance and testing
- design and manufacture
- testing

## + Accessories

The accessories subject to final delivery.

