

XDM3051 Bench-type Digital Multimeter



- + 4 inch 480 x 320 pixels high resolution LCD
- + resolutions up to 5 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

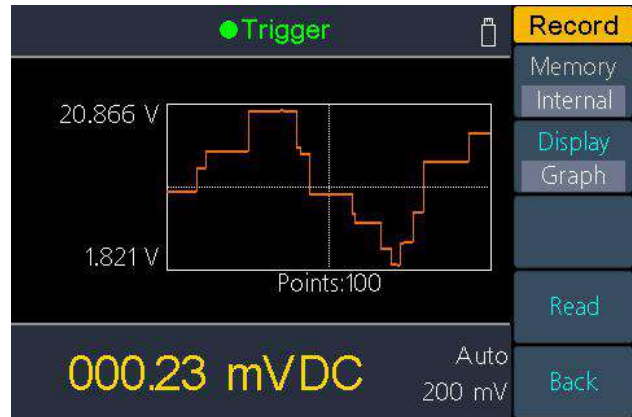
during recording the measurement value, possible to set the logging duration (min. 5ms), and length, then get access to chart or table result

● Trigger			Record
No.	Function	Reading	Memory
63	DCV	6.966 V	Internal
64	DCV	6.966 V	Display
65	DCV	6.966 V	Table
66	DCV	3.747 V	
67	DCV	3.747 V	
68	DCV	3.747 V	
69	DCV	1.822 V	
70	DCV	1.821 V	
71	DCV	1.821 V	

Auto 200 mV

-000.54 mVDC

Read Back



+ Performance Specifications

XDM3051	Measurement Range	Frequency Range	Accuracy: 1 Year ± (% of reading + % of range)
DC Voltage	200mV, 2V, 20V, 200V, 1000V	/	0.015±0.004
True RMS AC Voltage	200mV, 2V, 20V, 200V, 750V	20 Hz - 45 Hz	1.5 + 0.10
		45 Hz - 20 kHz	0.2 + 0.05
		20 kHz - 50 kHz	1.0 + 0.05
		50 kHz - 100 kHz	3.0 + 0.05
DC Current	200.000 μA 2.00000 mA 20.0000 mA 200.000 mA 2.00000 A 10.0000 A	/	0.055 + 0.005
			0.055 + 0.005
			0.095 + 0.020
			0.070 + 0.008
			0.170 + 0.020
			0.250 + 0.010
True RMS AC Current	20.0000 mA, 200.000 mA, 2.00000 A, 10.0000 A	20 Hz - 45 Hz	1.5 + 0.10
		45 Hz - 2 kHz	0.50 + 0.10
		2 kHz - 10 kHz	2.50 + 0.20

Resistance	200.000 Ω	/	0.030 + 0.005
	2.00000 kΩ		0.020 + 0.003
	20.0000 kΩ		0.020 + 0.003
	200.000 kΩ		0.020 + 0.003
	2.00000 MΩ		0.040 + 0.004
	10.0000 MΩ		0.250 + 0.003
	100.000 MΩ		1.75 + 0.004
Diode Test	2.0000 V	/	0.05 + 0.01
Continuity	2000 Ω	/	0.05 + 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	20 Hz - 2 kHz	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)		
Other functions	Bar meter, histogram, trend chart, Max. Min. value, average value, 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)		
Weight (without package)	3.00 kg		

Specifications subject to change without prior notice.

+ Accessories The accessories subject to final delivery.

