



- 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



Specifications

DDM3051	Measurement Range	Frequency Range	Accuracy: 1 Year ± (% of reading + % of range)
DC Voltage	200mV, 2V, 20V, 200V, 1000V	20 Hz - 45 Hz	/ 0.015±0.004
		45 Hz - 20 kHz	1.5 + 0.10 0.2 + 0.05
True RMS AC Voltage	200mV, 2V, 20V, 200V, 750V	20 kHz - 50 kHz 50 kHz - 100 kHz	1.0 + 0.05 3.0 + 0.05
DC Current	200.000 µA		0.055 + 0.005
	2.00000 mA		0.055 + 0.005
	20.0000 mA		0.095 + 0.020
	200.000 mA		0.070 + 0.008
	2.00000 A		0.170 + 0.020
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

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

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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
	20 mA - 10 A	200 kHz - 1 MHz	0.01 + 0.006
		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		

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