



- 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		
<b>Data-logger Function</b>			
Logging Duration	5ms		
Logging Length	1M points		
<b>General</b>			
Dimension (W x H x D)	235 x 110 x 295 (mm)		
Weight (without package)	3.00 kg		

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