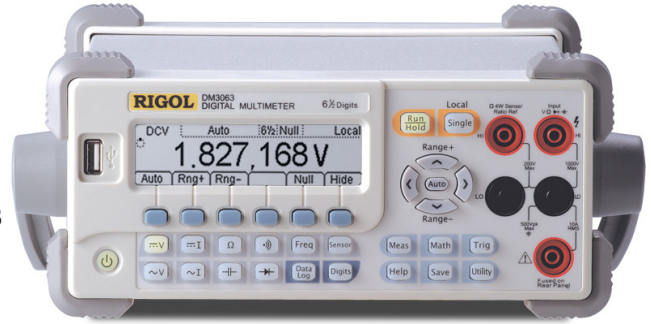


DM3000 Series Digital Multimeters

DM3000 Series are excellent digital multimeters with high precision&accuracy, multiple function and automatic measurements. The performances include: 6 / digits resolution, high speed data acquisition, automatic measurements, multiplexer module, multi-math function and powerful any sensor tests. In terms of interface, DM3000 support RS-232, USB Device, LAN, GPIB, USB Host (USB flash memory and USB printer). In terms of performance, DM3000 adopt excellent mono LCD display system to support simple waveform display and data recorded waveform display; easy to use keyboard configuration, bright key light and built-in operation instructions make it more friendly to users; up to 50k/s sample rate enable users to capture data with quick change such as highly precise audio frequency; 2M points memory depth inside and infinite memory depth outside; real RMS AC voltage and AC current measurements; virtual terminal display and control; distant access to network.. In sum, DM3000 Series is indeed a valuable product with high performance/price ratio.



Model Numbers

Model	DM3051	DM3052	DM3054	DM3061	DM3062	DM3064
Resolution		5 3/4 digits			6 1/2 digits	
Configuration	RS 232/USB 2.0	LAN/GPIB	LAN/GPIB and Multiplexer Module	RS 232/USB 2.0	LAN/GPIB	LAN/GPIB and Multiplexer Module
Pricing	\$495	\$695	\$1,195	\$795	\$995	\$1,595

System Information

Product Dimensions: Width x Height x Depth = 232mm x 107mm x 291mm

Weight: 2.5kg

Application: Manufacturing Test, High Speed, High Resolution Data Acquisition, Signal Monitoring, Aging Test

True 6 1/2 digits resolution (2,400,000)

50 K/s maximum sample rate, 2 M points of memory depth

Ability to use most sensors

16-Channel Multiplexer Module: Data log, scanning and programmable automatic measurements

256 x 64 pixels LCD display, to support multi-display and screen menu

I/O: GPIB, LAN, RS-232, and USB Device

Built-in USB host to support USB Flash memory and USB printer

888-610-7664

910-442-2164 (Local)

910-401-1114 (Fax)

Sales@GlobalTestSupply.com

311 Judges Road, Suite 12E

Wilmington, NC 28405

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The Test and Measurement Company!

888-610-7664 • www.GlobalTestSupply.com

Performance Characteristics

Range:	Resolution, Or	Accuracy: 1 Year±	Input current, Or
Or Performance	AC Voltage	(% of reading +	Current Source
Parameters	Frequency:	% of range)	
DC Voltage			Input Current
200.000,0 mV	100 nV	0.0050 + 0.0017	10 MΩ or >10G Ω
2.000,000 V	1 μV	0.0040 + 0.0004	10 MΩ or >10G Ω
20.000,00 V	10 μV	0.0035 + 0.0003	10 MΩ or >10G Ω
200.000,0 V	100 μV	0.0045 + 0.0003	10 MΩ
1000.000 V	1 mV	0.0045 + 0.005	10 MΩ
DC Current			
2.000,00 mA	10 nA	0.005 + 0.005	50Ω
20.000,0 mA	100 nA	0.005 + 0.002	50Ω
200.000 mA	1 μA	0.03 + 0.003	1Ω
1.000,00 A	10 μA	0.03 + 0.006	1Ω
10.000,0 A	100 μA	0.05 + 0.01	0.01Ω
AC Voltage (RMS)			
200.000 mV	3-5 Hz	0.10 + 0.015	1 MΩ
	5-10 Hz	0.06 + 0.015	1 MΩ
	10-20 kHz	0.04 + 0.015	1 MΩ
	20-50 kHz	0.10 + 0.025	1 MΩ
	50-100 kHz	0.55 + 0.04	1 MΩ
Range from	3-5 Hz	1.00 + 0.01	1 MΩ
	25.000,00V	5-10 Hz	0.35 + 0.01
to 750.000	10-20 kHz	0.04 + 0.01	1 MΩ
	20-50 kHz	0.10 + 0.02	1 MΩ
	50-100 kHz	0.55 + 0.04	1 MΩ
	100-300 kHz	1.20 + 0.25	1 MΩ

Range:	Resolution,	Accuracy: 1 Year±	Input current, Or
Or Performance	Or AC Voltage	(% of reading +	Current Source
Parameters	Frequency:	% of range)	
AC Current (RMS)			Input Resistance
200.000,0 mA	100 na	0.01 + 0.02 (10-50) kHz	50 Ω
200.000 mA	1 μA	0.05 + 0.03 (10-50) kHz	1 Ω
1.000,00 A	10 μA	0.05 + 0.03 (10-50) kHz	1 Ω
10.000,0 A	100 μA	0.10 + 0.10 (10-50) kHz	0.02 Ω
Resistance (2-wire and 4-wire)			Current Source
200.000,0 Ω	100 μΩ	0.010 + 0.0020	1 mA
2.000,000 KΩ	1 mΩ	0.010 + 0.0005	1 mA
20.000,00 KΩ	10 mΩ	0.010 + 0.0005	100 μA
200.000,0 KΩ	100 mΩ	0.010 + 0.0005	10 μA
2.000,000 MΩ	1 Ω	0.010 + 0.0005	1 μA
10.000,00 MΩ	10 Ω	0.040 + 0.0005	200 nA
100.000,0 MΩ	100 Ω	0.080 + 0.0005	200 nA
Capacitance			Current Source
2.000,0 nF	0.1 pF	0.05 + 0.002	200 nA
20.000 nF	1 pF	0.05 + 0.005	1 μA
200.00 nF	10 pF	0.01 + 0.005	10 μA
2.000,0 μF	100 pF	0.01 + 0.005	100 μA
20.000 μF	1 nF	0.01 + 0.005	1 mA
200.00 μF-10000 μF	10 nF	0.01 + 0.005	1 mA

Advanced Features

- Test resolution: 6 1/2 digits (2,400,000 -count), 5 3/4 digits (400,000-count)
- 50 K/s maximum sample rate, 2M points of memory depth
- 256x64 pixels LCD display to support multi-display and screen menu
- 16-Channel Multiplexer Module and Ultralogger software
- 26 Test Functions: DC voltage and current, AC voltage and current, 2-wire and 4-wire resistance, Capacitance, Continuity Test, Diode Test Frequency, Period, Ratio Test, Temperature, Any Sensor Test High Limit, Low Limit and High/Low Limit. Math: Max, Min, Avg, Null, dBm, dB
- Data Acquisition: Data Log, Scanning, Programmable Automatic Measurements.
- Input resistance > 10 GΩ: DC voltage range up to 48 V (± 24V)
- True RMS AC voltage and current test
- Built-in storage: Store up to 10 setup configurations, 10 data records and 10 sensor setups.
- I/O: GPIB, LAN, RS-232, USB Device
- Integrated USB host to support USB flash memory and USB printer
- Control software that is both easy and flexible to use.

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