

DMM 357 High Precision Multimeter



- 6 1/2 digit
- High accuracy to 0.005%
- High speed upto 2000 rdgs / sec
- High stability
- USB interface
- Temperature measurements
- 19 full featured functions
- Scanner card interface option
- Small size & light weight
- Unbeatable price

Product Description

The 6 1/2 digit DMM provides a wide range of measurement functions including AC / DC Voltage, AC / DC Current, Resistance, Diode, Continuity, Temperature. USB interface port is available as a standard. A ten channel scanner interface card is available as an optional feature.

Technical Specification

DC Voltage

Range	Resolution	Input Resistance	Accuracy
100.0000 mV	0.1 μV	> 10Gohm	0.0050 + 0.0035
1.000000 V	1.0 μV	> 10Gohm	0.0040 + 0.0007
10.00000 V	10 μV	> 10Gohm	0.0035 + 0.0005
100.0000 V	100 μV	10Mohm	0.0045 + 0.0006
1000.000 V	1 mV	10Mohm	0.0045 + 0.0010

DC Current

Range	Resolution	Shunt Resistance	Accuracy
10.000000mA	10nA	5.1ohm	0.05 + 0.02
100.00000mA	100nA	5.1ohm	0.05 + 0.005
1.000000A	1μA	0.1ohm	0.1 + 0.01
3.000000A	10μA	0.1ohm	0.12 + 0.02

Diode Test

1.0000V	10μV	1mA	0.01 + 0.02
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Continuity



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1000.00K. 10mohm 1mA 0.01 + 0.03

Resistance

Range (ohm)	Resolution	Test Current	Accuracy
100.0000	100µohm	1mA	0.01 + 0.004
1.000000 K	1mohm	1mA	0.01 + 0.001
10.00000 K	10mohm	100µA	0.01 + 0.001
100.0000 K	100mohm	10µA	0.01 + 0.001
1.000000 M	1ohm	5µA	0.01 + 0.001
10.00000 M	10ohm	500nA	0.04 + 0.001
100.0000 M	100ohm	500nA	0.8 + 0.01

AC Voltage (AC Trms)

Range	Resolution	Frequency (Hz)	Accuracy
100.0000mV	0.1µV	3-5	1.00 + 0.04
		5-10	0.35 + 0.04
		10-20k	0.06 + 0.04
		20-50k	0.12 + 0.05
		50-100k	0.60 + 0.08
		100-300k	4.00 + 0.50
1.000000V to 750.000V	1.0µV to 1mV	3-5	1.00 + 0.03
		5-10	0.35 + 0.03
		10-20k	0.06 + 0.03
		20-50k	0.12 + 0.05
		50-100k	0.60 + 0.08
		100-300k	4.00 + 0.50

AC Current (AC Trms)

Range	Resolution	Frequency (Hz)	Accuracy
1.000000A	1µA	3-5	1.00 + 0.04
		5-10	0.30 + 0.04
		10-5k	0.10 + 0.04
3.000000	10µA	3-5	1.10 + 0.06
		5-10	0.35 + 0.06
		10-5k	0.15 + 0.06

Frequency and Period

Range	Frequency (Hz)	Accuracy (% of reading)
100mV to 750V	3-5	0.1
	5-10	0.05
	10-40	0.03
	40-300k	0.01

Thermocouple Types

J, K, T, E, R, S & N

RTD Types

Pt100 (3 standards – ITS-90, IEC751, Callendar-Van Husein)

*Accuracies are specified as ± (% of reading + % of range) (23 °C ±5 °C)
750 V AC is limited to 100kHz*



Display

VFD Dual display with 5 x 7 dot matrix and three-colour annunciators

19 Full Featured Functions

DMM has 11 measurement functions and 8 mathematical functions

Measurement: DC / AC Current and Voltage, 2 wire and 4 wire, Frequency, Period, Diode, Continuity, Temperature

Mathematical: 8 functions including Limits, Ratio, Min. / Max., Null, MX+B, %, dBm, dB

General

Mechanical

Dimensions : D x W x H - 350mm x 210mm x 85mm

Weight : 4.4kg

Remote control

Interface : USB

Optional : Either RS232 or GPIB

Order codes

Description	Order code
DMM 357	093357
6 ½ digit Multimeter	

Supplied with user manual, test leads, USB cable, application software and AC power cable

Options

Description	Order code
Temperature	/T
10 channel scanner	/S
RS232	/R (not available with option /G)
GPIB	/G (not available with option /R)

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Wayne Kerr's policy is one of continuous development and consequently the product may vary in detail from the description and specification in this publication.