Digital Multimeter

DM-59

Perfect For Workshop and School 10 Functions, 30 Ranges

- Frequency Counter
- h_{FF}
- Capacitance
- Diode Test
- 20MΩ FS
- 10A AC/DC
- 0.5% Basic DC Accuracy

- 3 1/2 Digit LCD, 0.55" H
- Audible Continuity Test
- 10MΩ Input Z
- Overload Protection
- RF Shielded
- Tilt Stand

zinc cells

AC Current

Resistance

Range

*200*Ω

2KΩ

20KΩ

200KΩ

 $20M\Omega$

Range

2000pF

20nF

200nF

2μF

20µF

2000K Ω

Capacitance

Range

2mA

20mA

10A

200mA

• 1-Year Limited Warranty

Power: 9V carbon zinc battery (NEDA 1604)

Battery Life: 150 hours typical with carbon

Low Battery Indicator: Symbol is displayed

Resolution Accuracy

Overload Protection: mA input, 0.5A/250V fuse;

Resolution Accuracy

 $\pm 2.0\%$ of rdg $\pm 4D$

±2.0% of rdg ±4D

 $\pm 2.0\%$ of rdg $\pm 4D$

±3.5% of rdg ±4D

±0.8% of rdg ±3D

±0.8% of rdg ±1D

±0.8% of rdg ±1D

 $\pm 0.8\%$ of rdg $\pm 1D$

±0.8% of rdg ±1D

±2.0% of rdg ±10D

 $\pm 3\%$ of rdg $\pm 3D$

thick (70mm x 151mm x 38mm)

net weight 7oz. (200g)

1µA

10µA

100mA

10mA

0.1Ω

10

*10*Ω

 100Ω

 $1K\Omega$

10KΩ

1pF 10pF

1nF

10nF

Test Frequency: 2.5Hz

Test Voltage: 3V

100pF

Overload Protection: 500V DC or AC rms

Resolution Accuracy

10A input 10A/250 fuse

Battery, Test Leads (ML-375), Spare Fuse and Operating Instructions Included

SPECIFICATIONS:

General

Display: 3 1/2 Digit LCD, 0.55" high, with polarity

Overrange Indication: "OL" is displayed Measurement Rate: 2.5 times per second **Operating Environment:** 0°C to 50°C, <70% relative humidity

Storage Environment: -20°C to 60°C, <80% relative humidity with battery removed

DC Voltage

Range	Resolution	Accuracy
200mV	100µV	±0.5% of rdg ±1D
2V	1mV	$\pm 0.5\%$ of rdg $\pm 1D$
20V	10mV	±0.5% of rdg ±1D
200V	100mV	$\pm 0.5\%$ of rdg $\pm 1D$
600V	1V	±0.5% of rdg ±1D

Input Impedance: $10M\Omega$ on all ranges Maximum Input: 600V DC or AC rms

DC Current

Range	Resolution	Accuracy		
2mA	1µA	$\pm 1.0\%$ of rdg $\pm 1D$		
20mA	10μΑ	$\pm 1.0\%$ of rdg $\pm 1D$		
200mA	100mA	$\pm 1.0\%$ of rdg $\pm 1D$		
10A	10mA	±3.0% of rdg ±1D		
Overload Protection: mA input, 0.5A/250V fuse,				

10A input 10A/600V fuse

AC Voltage

Range	Resolution	Accuracy
200mV	100µV	±1.0% of rdg ±4D
2V	1mV	±1.0% of rdg ±4D
20V	10mV	±1.0% of rdg ±4D
200V	100mV	±1.0% of rdg ±4D
600V	1V	±1.9% of rdg ±4D

Input Impedance: $10M\Omega$ on all ranges Maximum Input: 600V DC or AC rms Frequency Range: 50Hz - 500Hz



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Frequency Measurement

Range: 2kHz - 15MHz (Autorange) Accuracy: ±0.1% rdg ±1D Input Sensitivity: Trig Lo: 1 Vrms; Trig Hi: 2 Vrms Overload Protection: 500V DC or AC rms

Continuity Test (Audible)

Resistance Range: 200Ω Beeper Response: $<40\Omega$

Transistor h_{FE} Test (PNP, NPN)

Test Condition: 10µA Base Current @ <3.5V h_{FF} Range: 0 - 1000

Diode Test

Voltage: 2V @ 1.6mA Max



