MM39 MULTIMETER

SPECIFICATION

MARTINDALE ELECTRIC
Trusted by professionals

SPECIFICATIONS

Display: 3½ digit liquid crystal display (LCD) with a maximum reading of 1999

Polarity: Automatic, positive implied, negative polarity indication

Overrange: (OL) or (-OL) is displayed

Zero: Automatic

Low battery indication: The "[+-]" is displayed when the battery voltage drops below the operating level

Measurement rate: 2 times per second, nominal

Auto power off: Approx. 10 minutes

Operating environment:
0°C to 50°C at < 70% relative humidity

Storage temperature:
-20°C to 60°C at < 80% relative humidity

Accuracy:
Stated accuracy at 23°C ± 5°C, <75% relative humidity

Temperature Coefficient: 0.1 × (specified accuracy) per °C. (0°C to 18°C, 28°C to 50°C)

Altitude: 6561.7 Feet (2000m)

Power: 1.5V batteries x2, R03/SIZE AAA

Battery life: 200 hours typical with carbon-zinc

Dimensions: 145mm (H) × 70mm (W) × 34mm (D)

Weight: Approx. 11.1 oz. (315g) including holster

Accessories: One pair test leads, 1.5V battery x2 (installed) and Operating Instructions

DC VOLTS

Ranges: 200mV, 2V, 20V, 200V, 600V

Resolution: 0.1mV

Accuracy: ±(1.0% rdg + 2 dgts)

Input impedance: 200mV: >100MΩ: 2V:10MΩ
20V ~ 600V:9.1MΩ

Overload protection: 600VDC or AC rms

AC VOLTS (50Hz - 500Hz)

Ranges: 200mV, 2V, 20V, 200V, 600V

Resolution: 0.1mV

Accuracy:

±(2.0% rdg + 5 dgts) 50Hz ~ 100Hz on 200mV range

±(2.0% rdg + 5 dgts)

Input impedance: 200mV:>100MΩ: 2V:10MΩ
20V ~ 600V:9.1MΩ

Overload protection: 600V DC or AC rms

CURRENT

Ranges: 10A

Resolution: 0.01A

DC accuracy: ± (3.0% rdg + 3 dgts)

AC accuracy: (50Hz ~ 500Hz) ± (3.5% rdg + 5 dgts)

Voltage burden: 0.2V

Input protection:10A/500V fast blow ceramic fuse

RESISTANCE

Ranges: 200Ω, 2kΩ, 20kΩ, 200kΩ, 2MΩ, 20MΩ

Resolution: 0.1Ω

Accuracy:

±(1.5% rdg + 4 dgts) on 200Ω to 200kΩ ranges

±(2.5% rdg +4 dgts) on 2MΩ range

±(5.0% rdg + 5 dgts) on 20MΩ range

Open circuit volts: -0.45Vdc (-1.2Vdc on 200Ω range)

Overload protection: 500V DC or AC rms

DIODE TEST

Test current: 1.0mA (approximate)

Accuracy: ±(3.0% rdg + 3 dgts)

Resolution: 10mV

Audible indication: <0.25V

Open circuit volts: 3.0Vdc typical

Overload protection: 500VDC or AC rms

CONTINUITY

Audible indication: Less than 25Ω

Response time: 500ms

Overload protection: 500VDC or AC rms