Analog Multimeter

FET-43

- ***Very High Input Impedance***
- ***Excellent Trouble Shooting Tool***
- ***5 Functions, 43 Ranges***

- 4.5" Meter Scale
- ±2.5% DC accuracy FS
- 10MΩ DC, 1MΩ AC Input Resistance
- FET Input
- Jeweled Meter Movement
- Overload Protection †
- Polarity Reversing Switch *
- Zero Center Scale Adjustment
- Low Battery Indicator
- Metal Tilt Stand
- 1-Year Limited Warranty

Battery, Test Leads (ML-43) and Operating Instructions Included

SPECIFICATIONS:

General

Front Panel Controls: *Range selector switch, power on-off switch, with operational LED, polarity reverse switch, "0" Ω ADJ, Center "0" ADJ*

Movement: *Jeweled pivots, 90° arc, 44µA full scale*

Scales (9): *Ω DC V•A, AC RMS, AC peak to peak (2), ±DC V•A (center null), AC 12 A, DC 0.1µA, dB*

Scale Length: *4.5"*

****Polarity Reverse Switch:*** *DC and Ω ranges (Reverses meter movement only. Does not reverse test lead polarity.)*

Operating Position: *Horizontal or vertical, rubber pads to prevent slipping on moderate slopes*

Power: *1.5V AA (2) and 9V (NEDA 1604) batteries*

Movement and Indicator Protection: *Double FET protection and fuse (2A/250V)*

Operating Temperature: *25°C (75°F) rated accuracy, less than 4% additional error over the range of -4°C (25°F) to 50°C (130°F)*

Dimensions, Weight: *5" wide x 6.75" long x 2" thick (125mm x 170mm x50mm), net weight 17oz. (480g)*

DC Voltage

Ranges: *0-0.3, 1.2, 3.0, 120, 300, 1200V, 0-±1.5, 0.6, 6, 15, 60, 150, 600V at Center 0*

Input Impedance: *Approx. 10MΩ, 3MΩ on 300 mV range*

Rated Accuracy: *±2.5% DC and ±3.5% AC of full scale on all ranges*

DC Current

Ranges: *0-0.1µA, 0.3, 3, 30, 300mA, 12A*

Potential Drop: *300mV*

Rated Accuracy: *Within ±2.5% full scale on all ranges*

AC Voltage

Ranges: *RMS 0-3, 12, 30, 120, 300, 1200V, peak to peak, 0-8.4, 33, 84, 330, 840, 3300RMS, 1200V (peak to peak 3300V) on separate jack*

Input Impedance: *Approx. 1MΩ, 800pF; 2.5MΩ on 3V range*

Rated Accuracy:
50Hz - 5MHz ±3%
30Hz - 10MHz ±1dB sine wave
30Hz - 1MHz ±1dB rectangular wave at 3V range only
30Hz - 3MHz ±5% sine wave
30Hz - 120MHz ±5% rectangular on all other ranges except 3V

dB: *-10dB - +63dB on AC ranges*

AC Current

Ranges: *0-12A, within ± 3.5% full scale. DC, AC,12 Amp range on separate jack*

Resistance

Ranges:

R x 1	0 - 1KΩ (Center 10)
R x 10	0 - 10KΩ (Center 100Ω)
R x 100	0 - 100KΩ (Center 1KΩ)
R x 1K	0 - 1MΩ (Center 10KΩ)
R x 10K	0 - 10MΩ (Center 100KΩ)
R x 1M	0 - 1000MΩ (Center 10MΩ)

Accuracy: *±2.5° of arc*

† Does not apply to 12 Amp range. Damage to meter or injury to operator can occur if voltage or excessive current is applied to 12 Amp. input.