

3-3/4 Digit 4000 Count True RMS Bench Top DMM with RS-232

B940

- True RMS AC volts and amps measurements
- Capacitance and Frequency measurements
- Back-lit display and Auto/Manual ranging
- MIN/MAX and Relative mode
- Delay hold mode
- AC Line or Battery Operated RS-232 Interface with software



B940

■ SPECIFICATIONS

DC Voltage

Range: 400mV, 4V, 40V, 400V and 1000V
Best Resolution: 0.1mV
Accuracy: $\pm(0.3\% + 2D)$
Input Impedance: 10M Ω
Overload Volts: 1000V DC or 750V AC RMS

AC Voltage

Range: 4V, 40V, 400V and 750V
Best Resolution: 1.0mV
Accuracy:
 $\pm(0.8\% + 5D)$ 45Hz to 450Hz
 $\pm(1.2\% + 5D)$ 45Hz to 1KHz
Input Impedance: 10M Ω
Overload Volts: 1000VDC or 750V AC RMS

DC Current

Ranges: 4mA, 40mA, 400mA and 10A
Best Resolution: 1 μ A
Accuracy: $\pm(0.8\% + 5D)$
Overload protection: 0.5A /250V and 15A/250V fuse

AC Current

Ranges: 4mA, 40mA, 400mA and 10A
Best Resolution: 1 μ A
Accuracy:
 $\pm(1.5\% + 5D)$ 45Hz to 400Hz: 4mA to 400mA ranges
 $\pm(2.0\% + 5D)$ 45Hz to 400Hz: 10A range
Overload protection 0.5A /250V and 15A/250V fuse

Resistance

Range: 400 Ω , 4K Ω , 40K Ω , 400K Ω , 4M Ω , 40M Ω
Best Resolution: 0.1 Ω
Accuracy: $\pm(0.5\% + 5D)$ 400 Ω to 400K Ω ranges
 $\pm(1\% + 5D)$ 4M Ω range
 $\pm(1.5\% + 5D)$ 40M Ω range

Frequency

Range: 100Hz, 1KHz, 10KHz and 600KHz
Best Resolution: 0.01Hz
Accuracy: $\pm(0.1\% + 2D)$
Sensitivity:
100mV RMS, 1Hz to 20KHz
500mV RMS, 20KHz to 600KHz
Overload: 250V

Capacitance

Range: 4nF, 40nF, 400nF, 4 μ F, 40 μ F
Best Resolution: 0.1pF
Accuracy: $\pm(2\% + 4D)$ 4nF range (Relative Mode)
Overload: 250V

Converter

Display: 10 counts per 1mV DC
Accuracy: $\pm(0.3\% + 5D)$
Overload: 250V

Diode test

Test Volt: 3 V
Test Current: 0.6mA
Overload: 250V

Continuity

Buzzer: will sound at < 40 Ω Resistance
Overload: 250V

General Specifications

Size: 3.3" H x 9" W x 9.4" D
Weight: 3.3 lbs
Power: 9V NEDA battery or 90 to 132VAC / 198 to 264VAC @ 50/60Hz (Adapter Supplied)
Accessories: Manual, Test leads, 9v Battery, RS-232 cable, Software

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