



608

- DC accuracy 0.05%
- Low voltage Ohms measurement and conductance
- Auto and software calibration
- Dual back-lit display and K type thermocouple
- Measures duty cycle, pulse width and conductance
- Compare function for go-no go testing
- Peak detection for capturing high speed signals
- Binary bit expression bargraph
- AC and AC + DC true RMS AC voltage and current measurements
- Auto/manual ranging
- Test zener diodes up to 20 volts
- Min/Max/Avg relative modes
- Memory store and recall
- Fuse protected current ranges
- Cat II 600V and CE approved



■ SPECIFICATIONS

DC Volts

Ranges: 5V, 50V, 500V, 1000V

Best Resolution: 100 μ V; Accuracy: $\pm 0.05\% + 5D$

mV DC

Ranges: 500 mV to 2500mV

Best Resolution: 10 μ V; Accuracy: $\pm 0.05\% + 5D$

AC and (AC+DC) mV

Ranges: 500mV

Best Resolution: 10 μ V

Accuracy: AC mV: $\pm 0.75\% + 20D$

(AC + DC) mV: $\pm 1.5\% + 50D$

AC Bandwidth: 50Hz to 20kHz

AC and (AC+DC) Volts

Ranges: 5V, 50V, 500V, 750V

Best Resolution: 100 μ V

Accuracy: AC Volt: $\pm 0.75\% + 20D$

(AC + DC) Volts: $\pm 2.0\% + 50D$

Crest Factor: Sine wave: 1.414

DC CURRENT

Ranges: 5000 μ A, 500mA, 10 Amps

Best Resolution: 0.1 μ A; Accuracy: $\pm 0.2\% + 5D$

AC and (AC+DC) AMPS

Ranges: 5000 μ A, 500mA, 10A

Best Resolution: 0.1 μ A

Accuracy: AC Amps: $\pm 0.75\% + 20D$, 50Hz to 1kHz

(AC + DC); Amps: $\pm 1.5\% + 50D$, DC to 1kHz

Resistance (50 Ω range is 5,000 count)

Ranges: 50 Ω , 5K Ω , 50K Ω , 500K Ω , 5M Ω , 50M Ω

Best Resolution: 10m Ω ; Accuracy: $\pm 0.2\% + 5D$

Resistance: Lo Ohms (All ranges are 5,000 count)

Ranges: 5K Ω , 50K Ω , 500K Ω , 5M Ω , 50M Ω

Best Resolution: 1 Ω ; Accuracy: $\pm 0.5\% + 5D$

Conductance (5,000 count)

Range: 500nS

Resolution: 0.1nS; Accuracy: $\pm 3\% + 5D$

Capacitance (All ranges are 5,000 count)

Ranges: 5nF, 50nF, 500nF, 5 μ F, 50 μ F, 500 μ F, 5000 μ F

Best Resolution: 1pF; Accuracy: $\pm 2\% + 5D$

Zener Diode Test

Range: 25.000 V Approx.; Accuracy: $\pm 5\% + 10D$

Test: 15V to 22V

Continuity

Ranges: 5K Ω , 50K Ω , 500K Ω , 5M Ω

Buzzer will sound at: $< 0.1\%$ of full scale of each range

Temperature

Ranges: -20 to 1200°C, -4 to 2100°F, 253 to 1423°K

Display: °C, °F, °K

Resolution: 0.1°

Accuracy: $\pm 2^\circ\text{C}$; 0 to 150°C: $\pm 3^\circ\text{C}$

Frequency (50Hz & 500Hz ranges are 5,000 count)

Ranges: 50Hz, 500Hz, 50kHz, 500kHz, 5MHz

Best Resolution: 0.01Hz

Input Sensitivity: 2V RMS; Accuracy: $\pm 0.01\% + 5D$

Pulse Width

Range: 200.01ms

Best Resolution: 10 μ s; Accuracy: $\pm 0.1\% + 5D$

Duty Cycle

Range: 0 to 100%

Resolution: 0.01%; Accuracy: $\pm 0.1\% + 5D$

Peak Hold

Accuracy: 10% of peak for a duration of $> 5\text{ms}$

General Specifications

Operating System: Windows® 95/98/ME/XP/2000

Update Rates: 2/s

RS-232 Output Medium: Infrared

Operating Temperature: 0 to 40°C at 80% relative humidity

Power: 9 Volt battery @ 36 hours of continuous operation

Size: 8.0" H \times 3.7" W \times 1.7" D (without holster)

Weight: 14.7 oz.

Standard Accessories: Manual, Protective holster, Safety probes, Temperature adapter and Probe, RS-232 cable, CD ROM

Mouser Electronics

Authorized Distributor

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