



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 bar graph
- 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: 100µV; Accuracy: ±(0.05% + 5d)

mV DC

Ranges: 500 mV to 2500mV
Best Resolution: 10µV; Accuracy: ±(0.05% + 5d)

AC and (AC+DC) mV

Ranges: 500mV
Best Resolution: 10µV
Accuracy: AC mV: ±(0.75% + 20d)
(AC + DC) mV: ±(1.5% + 50d)
AC Bandwidth: 50Hz to 20KHz

AC and (AC+DC) Volts

Ranges: 5V, 50V, 500V, 750V
Best Resolution: 100µV
Accuracy: AC Volt: ±(0.75% + 20d)
(AC + DC) Volts: ±(2.0% + 50d)
Crest Factor: Sine wave: 1.414

DC CURRENT

Ranges: 5000µA, 500mA, 10 Amps
Best Resolution: 0.1µA; Accuracy: ±(0.2% + 5d)

AC and (AC+DC) AMPS

Ranges: 5000µA, 500mA, 10A
Best Resolution: 0.1µA
Accuracy: AC Amps: ±(0.75% + 20d), 50Hz to 1KHz
(AC + DC) Amps: ±(1.5% + 50d), DC to 1KHz

Resistance (50Ω range is 5,000 count)

Ranges: 50Ω, 5KΩ, 50KΩ, 500KΩ, 5MΩ, 50MΩ
Best Resolution: 10mΩ; Accuracy: ±(0.2% + 5d)

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

Ranges: 5KΩ, 50KΩ, 500KΩ; 5MΩ, 50MΩ
Best Resolution: 1Ω; Accuracy: ±(0.5% + 5d)

Conductance (5,000 count)

Range: 500ns
Resolution: 0.1ns; Accuracy: ±(3% + 5d)

Capacitance (All ranges are 5,000 count)

Ranges: 5nF, 50nF, 500nF, 5µF, 50µF, 500µF, 5000µF
Best Resolution: 1pF; Accuracy: ±(2% + 5d)

Zener Diode Test

Range: 25.0V Approx.; Accuracy: ±(5% + 10d)
Test: 15V to 22V

Continuity

Ranges: 5KΩ, 50KΩ, 500KΩ, 5MΩ
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: ±2°C; 0 to 150°C: ±3°C

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

Ranges: 50Hz, 500Hz, 50KHz, 500KHz, 5MHz
Best Resolution: 0.01Hz
Input Sensitivity: 2V RMS; Accuracy: ±(0.01% + 5d)

Pulse Width

Range: 200.01ms
Best Resolution: 10 µs; Accuracy: ±(0.1% + 5d)

Duty Cycle

Range: 0 to 100%
Resolution: 0.01%; Accuracy: ±(0.1% + 5d)

Peak Hold

Accuracy: 10% of peak for a duration of > 5ms

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 × 3.7" W × 1.7" D (without holster)
Weight: 15 oz
Standard Accessories: Manual, Protective holster, Safety probes, Temperature adapter and Probe, RS-232 cable, CD ROM