



- 50,000 count and 50 segment bar graph backlit display
- Basic DC accuracy is  $\pm 0.03\%$
- RS232 interface with software and cable
- dBm measurement with  $4\Omega$  to  $1200\Omega$  reference resistances
- AC and (AC+DC) TRUE RMS measurement
- Measures frequency, Duty cycle and Capacitance
- Cat III 1000V
- Max/Min and Relative measurements
- Auto power off and backlit display

6500

## SPECIFICATIONS

### DC mV

Ranges: 50mV, 500mV; Best Resolution:  $1\mu\text{V}$   
Accuracy:  $\pm(0.03\% + 6\text{d})$ ; Input Impedance:  $1\text{G}\Omega$

### DC Volts

Ranges: 5V, 50V, 500V, 1000V; Best Resolution:  $100\mu\text{V}$   
Accuracy:  $\pm(0.03\% + 6\text{d})$ ; Max. Input Voltage: 1000V DC  
Input Impedance:  $10\text{M}\Omega$

### AC mV

Ranges: 50mV, 500mV; Best Resolution:  $1\mu\text{V}$   
AC mV Accuracy:  
40Hz to 1KHz:  $\pm(0.5\% + 40\text{d})$ , 1KHz to 10KHz:  $\pm(1.0\% + 40\text{d})$ ,  
10KHz to 20KHz:  $\pm(2.5\% + 40\text{d})$   
Input Impedance:  $1\text{G}\Omega$

### AC Volts

Ranges: 5V, 50V, 500V, 1000V; Best Resolution:  $100\mu\text{V}$   
AC Volts Accuracy (5V to 500V ranges):  
40Hz to 1KHz:  $\pm(0.5\% + 40\text{d})$ , 1KHz to 10KHz:  $\pm(1.0\% + 40\text{d})$ ,  
10KHz to 20KHz:  $\pm(2.5\% + 40\text{d})$   
Max. Input Voltage: 1000V DC or AC peak  
Input Impedance:  $10\text{M}\Omega$

### DC $\mu\text{A}$ :

Ranges:  $500\mu\text{A}$ ,  $5000\mu\text{A}$ ; Best Resolution:  $10.0\text{nA}$   
Accuracy:  $\pm(0.15\% + 1\text{d})$   
Overload Protection:  $0.5\text{A}/250\text{V}$  fuse

### DC mA

Ranges: 50mA, 500mA; Best Resolution:  $1.0\mu\text{A}$   
Accuracy:  $\pm(0.15\% + 10\text{d})$   
Overload Protection:  $0.5\text{A}/250\text{V}$  fuse

### DC A

Ranges: 5A, 10A; Best Resolution:  $100\mu\text{A}$   
Accuracy:  $\pm(0.5\% + 10\text{d})$   
Overload Protection:  $10\text{A}/250\text{V}$  fuse

### AC $\mu\text{A}$

Ranges:  $500\mu\text{A}$ ,  $5000\mu\text{A}$ ; Best Resolution:  $10.0\text{nA}$   
Accuracy:  $\pm(0.75\% + 10\text{d})$  40Hz to 1KHz  
Overload Protection:  $0.5\text{A}/250\text{V}$  fuse

### AC mA

Ranges: 50mA, 500mA; Best Resolution:  $1.0\mu\text{A}$   
Accuracy:  $\pm(0.75\% + 20\text{d})$  40Hz to 1KHz  
Overload Protection:  $0.5\text{A}/250\text{V}$  fuse

### AC A

Ranges: 5A, 10A; Best Resolution:  $100\mu\text{A}$   
Accuracy:  
40Hz to 1KHz 5A:  $\pm(0.75\% + 20\text{d})$   
40Hz to 1KHz 10A:  $\pm(0.75\% + 20\text{d})$   
Overload Protection:  $10\text{A}/250\text{V}$  fuse

### Resistance

Ranges:  $500\Omega$ ,  $5\text{K}\Omega$ ,  $50\text{K}\Omega$ ,  $500\text{K}\Omega$ ,  $5\text{M}\Omega$ ,  $50\text{M}\Omega$   
Best Resolution:  $10.0\text{m}\Omega$ ; Accuracy:  $\pm(0.1\% + 5\text{d})$   
Max. Input Voltage: 250V

### Continuity Buzzer

Buzzer Will Sound:  $< 60\Omega$  resistance

### Capacitance

Ranges: 50nF, 500nF,  $5\mu\text{F}$ ,  $50\mu\text{F}$ ,  $500\mu\text{F}$ ,  $5000\mu\text{F}$   
Best Resolution:  $10\text{pF}$ ; Accuracy:  $\pm(1.0\% + 5\text{d})$   
Maximum Input Volts: 250V

### Diode Test

Range: 2.5V; Resolution: 0.1mV  
Accuracy:  $\pm(1.0\% + 5\text{d})$ ; Test Current: Approx. 0.7mA

### Logic Frequency

Sensitivity: +2V to +5V Square wave  
Accuracy:  $\pm(0.006\% + 4\text{d})$   
Frequency Range: 5Hz to 2MHz

### Frequency

Ranges: 5Hz to 200KHz; Best Resolution: 0.001Hz  
Accuracy:  $\pm(0.006\% + 4\text{d})$   
Input Sensitivities (Range/Sensitivity):  
(500mV / 0.1V), (5V / 0.5V), (50V / 4V), (500V / 40V),  
(1000V / 400V), (5000 $\mu\text{A}$  / 1000 $\mu\text{A}$ ), (500mA / 100mA)

### Duty Cycle

Range: 0 to 90%; Resolution: 0.01%  
Accuracy:  $\pm 10\%$

### General Specifications

Operating Temperature:  
0 to  $30^\circ\text{C}$  ( $32$  to  $86^\circ\text{F}$ ) @ 80% Relative Humidity  
31 to  $51^\circ\text{C}$  ( $87$  to  $124^\circ\text{F}$ ) @ 50% Relative Humidity  
Power: (6) AAA Batteries  
Size: 7.9" (H) x 3.94" (W) x 1.57" (D)  
Weight: 1.23 lbs  
Accessories: Manual, test leads, RS232 cable and software CD