

## SPECIFICATIONS

### DC VOLTAGE

Ranges	±0.1V, 10V, 100V, 1000V.
Overrange (Full Scale)	100% on all ranges except ±1500V max.
Accuracy, @ +25°C, ±1°C	±1% of reading, ±0.25% of full scale, ±1 LSD on 1, 10, 100V ranges. ±1.5% of reading, ±0.25% of full scale, ±1 LSD on 1000V range.
Input Impedance	10 megohms.
Polarity Indication	Automatic; minus sign shown, plus sign implied.
Circuit Protection, All Voltage Ranges	1500 VDC or DC+AC peak.

### AC VOLTAGE

(Average-reading circuitry calibrated to read RMS value of pure sine wave).	
Ranges	0.1V, 10V, 100V, 1000V.
Overrange (Full Scale)	100% on all ranges except 1000V RMS max.
Accuracy, @ +25°C, ±1°C	±1.5% of reading, ±0.5% of full scale, ±1 LSD on 1, 10, 100V ranges. ±2.5% of reading, ±0.5% of full scale, ±1 LSD on 1000V range.
Frequency Response	50-400 Hz.
Input Impedance	10 megohms.
Circuit Protection, All Voltage Ranges	1500 VDC or DC+AC peak.

### DC CURRENT

Ranges	±0.1mA, 10mA, 100mA, 1000mA.
Overrange (Full Scale)	100% on all ranges.
Voltage Drop (Measured at Instrument Terminals)	Nominal 200mV full scale on 1mA, 10mA, 100mA ranges. Nominal 700mV full scale on 1000mA range.
Accuracy, @ +25°C, ±1°C	±2% of reading, ±0.5% of full scale, ±1 LSD on 1, 10, 100mA ranges. ±2.5% of reading, ±0.5% of full scale, ±1 LSD on 1000mA range.
Polarity Indication	Automatic; minus sign shown, plus sign implied.
Circuit Protection, All Ranges	Fuse and diodes. Fuse externally accessible.

### AC CURRENT

Ranges	0.1mA, 10mA, 100mA, 1000mA.
Overrange (Full Scale)	100% on all ranges.
Voltage Drop (Measured at Instrument Terminals)	Nominal 200mV RMS full scale on 1mA, 10mA, 100mA ranges. Nominal 700mV RMS full scale on 1000mA range.
Accuracy, @ +25°C, ±1°C	±2% of reading, ±0.5% of full scale, ±1 LSD on 1, 10, 100mA ranges. ±3% of reading, ±0.5% of full scale, ±1 LSD on 1000mA range.
Frequency Response	50-400 Hz.
Circuit Protection, All Ranges	Fuse and diodes. Fuse externally accessible.

## RESISTANCE

### Ranges

0-100Ω, 1KΩ, 10KΩ, 100KΩ, 1000KΩ, 10MΩ.

### Overrange (Full Scale)

100% on all ranges.

### Polarity

Plus (+) jack is positive for all ranges.

### Accuracy, @ +25°C, ±1°C

±1.5% of reading, ±0.5% of full scale, ±1 LSD on 100Ω; 1, 10, 100, 1000KΩ ranges.  
±2% of reading, ±0.5% of full scale, ±1 LSD on 10MΩ range.

### Test Currents

Range	Current	Full Scale Voltage
100Ω	1mA	0.2V
1KΩ	1mA	2.0V
10KΩ	100μA	0.2V
100KΩ	10μA	2.0V
1000KΩ	100nA	0.2V
10MΩ	100nA	2.0V

### Maximum Open Circuit Voltage

8V.

### Circuit Protection

+1000V to -450 VDC or 300V RMS AC continuous, ±1000 VDC or AC momentary.

## GENERAL

### Operating Temperature

15°C to +35°C.

### Overrange Indication

The display will flash 1999 when the input exceeds full scale of the range selected.

### Setting Time, All Ranges and Functions

Less than one second, typically 0.7 second.

### Power Source

4 "C" size batteries, Ni-Cad, Alkaline or Carbon Zinc, with provision for charger/converter. (NOTE: Batteries and charger/converter are not supplied).

### Battery Life

Better than 30 hrs. (with Alkaline batteries, continuous use).

### Accessories (Included)

### Accessories (Optional)

2 test leads.

BC-28 AC adapter/battery charger.

BP-28 rechargeable batteries.

ES-28 10-ampere current shunt.

LC-28 carrying case.

MS-28 wire tilt stand.

PR-21 isolation/direct probe (aids DC measurements in presence of RF).

PR-23 RF detector probe, 15 kHz to 250 MHz.

PR-28 high-voltage probe, 40 kV DC max. (20kV AC).

4-3/8 x 6-3/8 x 2" (11 x 16 x 5cm).

2 lbs. (0.9kg).

### Dimensions (WxHxD)

### Weight: