



## Smallest and Handiest of Simpson's Shock Resistant Analog VOMs

The 160 combines the performance and reliability of the famous Simpson 260 in a convenient hand-held package. The self-shielding taut-band movement features outstanding repeatability and resistance to stray magnetic fields. Internal circuits protect the meter from accidental overload.

- Ideal for Nulling, Peaking and Trend Information
- Quick, Positive "Yes/No" Checks for Voltage, Current and Continuity
- Does Not Generate RF Radiation Which can cause Interference or Trigger External Sensitive Circuits
- High Immunity to Voltage Transients and RF Interference—No Expensive Chips to Wipe Out
- Includes 22.5V and 1.5V Batteries and Test Leads With Probe Tip



## Specifications

### DC VOLTAGE

| Ranges                                       | Accuracy         | Sensitivity           |
|--|------------------|-----------------------|
| 250mV, 1V, 2.5V, 10V, 50V, 250V, 500V, 1000V | 2% of full scale | 20K $\Omega$ per volt |

### AC VOLTAGE

| Ranges                            | Accuracy         | Sensitivity          |
|-----------------------------------|------------------|----------------------|
| 2.5V, 10V, 50V, 250V, 500V, 1000V | 3% of full scale | 5K $\Omega$ per volt |

### DECIBEL

5 Ranges: -20 to +50dB  
Reference: 0dB= 1mW into 600 $\Omega$

### DC CURRENT

| Ranges                                     | Accuracy         | Voltage Drop: (Nominal)                                 |
|--|------------------|---|
| 50 $\mu$ A, 1mA, 10mA, 100mA, 250mA, 500mA | 2% of full scale | 250mV or 50mV on 50 $\mu$ A (2 ranges) 50mV, all others |

### RESISTANCE

| Ranges | Accuracy  | Maximum Indication |
|--------|-----------|--------------------|
| Rx1    | 3° of arc | 0-3K $\Omega$      |
| Rx10   |           | 0-30K $\Omega$     |
| Rx100  |           | 0-300K $\Omega$    |
| Rx1K   |           | 0-3M $\Omega$      |
| Rx10K  |           | 0-30M $\Omega$     |

## Ordering Information

| VOM          | Catalog No. | ACCESSORIES                 | Catalog No. | ACCESSORIES              | Catalog No. |
|--------------|-------------|-----------------------------|-------------|--------------------------|-------------|
| 160, Compact | 12271       | Test Leads w/Probe Tip      | 02055       | Padded Nylon Case, Brown | 00836       |
|              |             | Test Leads w/Alligator Tips | 01927       |                          |             |

Additional accessories are on pages 22-24.

## Specifications (Continued)

**BATTERIES:** 1.5V AA, 22.5V (Neda No.13F, Eveready 505)

**OPERATING TEMPERATURE RANGE:** 75°F for rated accuracy; less than 4% additional error over the range of +25°F to +130°F.

**SIZE:** 4-9/16" x 3-5/16" x 1-3/4" (11.59 x 8.41 x 4.45 cm)

**WEIGHT:** Approximately 12 ounces (.34 Kg)

**CONSTRUCTION:** Combination high impact plastic and phenolic case

**CIRCUIT TO GROUND VOLTAGE:** 1000V AC/DC Max.

Specifications subject to change without notice.