



**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 3.6V and 1.5V Batteries and Test Leads With Probe Tip

| Ordering Information        |                |
|-----------------------------|----------------|
| VOM                         | Catalog Number |
| 160, Compact                | 12271          |
|                             |                |
| Accessories                 | Catalog Number |
| Test Leads w/Probe Tip      | 02055          |
| Test Leads w/Alligator Tips | 01927          |
| Padded Nylon Case, Brown    | 00836          |

## 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   |                             |
|-----------|-----------------------------|
| 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 | 350mV Maximum           |

| 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 $\Omega$   |

|                                    |                                                                                          |
|------------------------------------|------------------------------------------------------------------------------------------|
| <b>Batteries</b>                   | 1.5V AA, 3.6V AA                                                                         |
| <b>Operating Temperature Range</b> | 75°F for rated accuracy; less than 4% additional error over the range of +25°F to +130°F |
| <b>Size</b>                        | 4-9/16" x 3-5/16" x 1-3/4" (11.59 x 8.41 x 4.45 cm)                                      |
| <b>Weight</b>                      | Approximately 12 ounces (.34 Kg)                                                         |
| <b>Construction</b>                | Combination high impact plastic and phenolic case                                        |
| <b>Circuit To Ground Voltage</b>   | 1000V AC/DC Max                                                                          |

**Specifications subject to change without notice.**

# Mouser Electronics

Authorized Distributor

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Simpson:

12271