



## 160<sup>®</sup> Handi - VOM



### 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 Rx10 Rx100 Rx1K Rx10K	3° of arc	0-3K $\Omega$ 0-30K $\Omega$ 0-300K $\Omega$ 0-3M $\Omega$ 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		

### 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.

*Quality Assurance defines Simpson Electric products in today's market. The word "quality" became Simpson's byword in the instrument industry when, in 1927, Simpson's founder, Ray Simpson, built the mechanism for the earth inductor compass; the same compass used by Charles Lindbergh when he flew the "Spirit of St. Louis" on the first non-stop solo flight across the Atlantic Ocean. For thirty-three hours, Lindbergh's life and his success depended largely on Ray Simpson's navigational instrument.*