MODEL 260

World's Most Popular High Sensitivity Set
Taster For Radio
and Television

MODEL 260 VOLT-OHM-MILLIAMMETER
20,000 Ohms per Volt DC. 1,000 Ohms per Volt AC.
Volts: DC 0-20, 50, 250, 1000, 5000
Volt. Output: 2.5, 10, 40, 250.
Decade—12 to +35 DB in 5 ranges.
2500 Ohm input in 5000 range.
Current: DC 100; AC 100, 200, 500 mA, 10A
Ohms: 0.5, 1 (12 ohm center), 250 (1200 ohm center), 0-20 Meg. (120K ohm center).

MARKER GENERATOR (In Both Instruments)
FREQUENCIES: Fundamental and second harmonic
Band A—3 to 12.5 Megacycles
Band B—15 to 50 Megacycles
Band C—75 to 250 Megacycles
Unmodulated or amplitude modulated 30% at 400
40 cycle, 40 cycle audio signal. Output attenuated
with 2 controls—1 step, 1 continuous. Accuracy
0.1%: tone 5 megacycle crystal ±0.05% for zero
1800 division loading scale.
F.M. GENERATOR (In Both Instruments)
FREQUENCY:
Band A—2 to 120 megacycles
Band B—120 to 260 megacycles
(Dial marked for harmonic use for UHF),
Sweep width continuously variable 0 to 150
15 cycle/sec cycle (line frequency).
Specially designed, quiet operating sweep motor,
Flashing and blanking included.
Output attenuated with 3 controls: 0, 100, 200.
Continuous.
5º OSCILLOSCOPE (In Model 480 Only)
Vertical sensitivity 15 mV per inch
Horizontal sensitivity 15 mV per inch
Sweep: Linear. 5 cycles through 60 Kc.
Sine wave, 60 cycles (line frequency)
Frequency response: flat to 200 KC.
MODEL 480 GENESCOPE: Size 22½ x 14½ x 7½".
Weight 79 lbs. (Shipping Wt. 81 lbs.)
Power requirements 105-125 volts, A.C., only, 60
cycles, 90 watts.
Including 2 oscilloscope cables, 1 impedance
matching probe, 1 high frequency probe, and
Price $475.00
MODEL 479 TV-FM SIGNAL GENERATOR: Size
17½ x 11½ x 7½". Weight 22 lbs. (Shipping Wt.
35 lbs.)
Power requirements 115/230 volts, A.C. only, 60
cycles, 30 watts. Including 2 oscilloscope cables, 1 imped-
ance matching probe, 1 test generator, 1 signal input probe,
Price $250.00

MODEL 488 FIELD STRENGTH METER
The nominal 50 microvolt basic range is excellent for
fringe area tests, 3 higher ranges for areas with more
signal strength. Easily adapted for UHF.
INPUT: 0.5 mV to 1000 mV
LINE VOLTAGE: 105-125 volts, 50-60 cycle, 45 watts.
DEALER'S NET PRICE: including operating
instruction and shock stand $115.00

MODEL 303 VACUUM TUBE VOLTMETER
GALVOMETER: Zero center for FM Discriminator
alignment and other galvanometer applications
R.F. (UHF) VOLTAGE: Matching with Accessory High
Frequency Crystal Probe
RANGE: 200, 20, 2.0 volts. (linear range)
Frequency: Flat 20 KC to 100 M.C.
LINE VOLTAGE: 105-125 V., 50-60 cycles
SIZE: 5⅛ x 7½ x 10" (batteries case). Weight: 4 lbs.
Shipping Weight: 6 lbs.
DEALER'S NET PRICE: Model 303, including
DC Volt Probe, AC Complete with test leads and
Leads with Operator's Manual. $86.00
Accessory High Frequency Probe. $7.50
Accessory High Voltage Probe (30,000 volts) $9.50
Also available with roll top case. Model 303RT $76.00

MASON ELECTRIC COMPANY
5200 W. Kinzie St., Chicago 44, Illinois

Simpson Electric Company
In Canada: BACH SIMPSON LTD., London, Ontario

All Prices Dealer's Net • Subject to Change Without Notice

SIMPSON ELECTRIC COMPANY
5200 W. Kinzie St., Chicago 44, Illinois
E. Stroebel 9-1211

MODEL 260

Size 5⅛ x 7½ x 3¼". Weight 3¼ lbs. Shipping Wt. 5 lbs. Price $38.95
MODEL 260RT (in roll top case). Size 6⅛ x 9½ x 3¼". Shipping Wt. 8 lbs. Price $65.00
25,000 Volts High Voltage Probe for 260. 9.95

SIMPSON MULTITESTERS

AC-D.C. VOLT-OHM-MILLIAMMETER
20,000 Ohms per volt DC. 5,000 Ohms per volt AC.

33 RANGES

MODEL 262

DC VOLTAGE: 0-0.01, 0.01 to 0.1, 0.1 to 1.0, 1.0 to 10, 10 to 100, 100 to 1000, 1000 to 10,000, 10,000 to 100,000 volts. (20,000 ohms per volt sensitivity.)
AF OUTPUT VOLTAGE: 0.5, 0.8, 0.4, 0.2, 0.1, 0.05, 0.025, 0.0125 (10,000 microvolt sensitivity, and series capacitor)
VOLTMETER LEVEL IN DECIBELS: 13 to 45.5 DB in 5 ranges. Zero DB = 0.01 volt in 600 ohms.
DC RESISTANCE: 0.01 ohms (100%); 0.10 ohms (10%); 1.00 ohms (1%); 10.00 ohms (0.1%); 100.00 ohms (0.01%); 1000.00 ohms (0.001%)
DC CURRENT: 0.001, 0.005, 0.01, 0.05, 0.1, 0.5, 1.0, 5.0, 10.0, 50.0, 100.0, 500.0, 1000.0, 5000.0 microamperes, 0.1, 0.5, 1.0, 5.0, 10.0, 50.0, 100.0, 500.0, 1000.0, 5000.0 milliamperes
MODEL 262A completes with 2 test leads with re-
movable alligator clips, 400V., DC multiplier,
Operator's Manual. Size 7½ x 15½ x 6½. Weight 4 lbs. (Shipping Wt. 5 lbs.)
Dealer's Net Price $115.00
Eveready Carrying Case No. 5760 $9.95

SIMPSON MODEL 269
AC-D.C. VOLT-OHM-MILLIAMMETER
10,000 Ohms per volt DC. 5,000 Ohms per volt AC.

33 RANGES

DC VOLTAGE: 0-0.1, 0.1 to 0.5, 0.5 to 1.0, 1.0 to 2.0, 2.0 to 4.0, 4.0 to 8.0, 8.0 to 16.0, 16.0 to 32.0, 32.0 to 64.0, 64.0 to 128.0 volts. (1,000 ohms per volt sensitivity.)
AF OUTPUT VOLTAGE: 0.5, 0.8, 0.4, 0.2, 0.1, 0.05, 0.025, 0.0125, 0.005, 0.0025, 0.00125, 0.00063, 0.0003125 (10 microvolt sensitivity, and series capacitor)
VOLTMETER LEVEL IN DECIBELS: 13 to 45.5 DB in 5 ranges. Zero DB = 0.005 volt in 600 ohms.
DC RESISTANCE: 0.02 ohms (10%); 0.20 ohms (1%); 2.00 ohms (0.1%); 20.00 ohms (0.01%); 200.00 ohms (0.001%)
DC CURRENT: 0.005, 0.01, 0.02, 0.05, 0.1, 0.2, 0.5, 1.0, 2.0, 5.0, 10.0, 20.0, 50.0, 100.0, 200.0, 500.0, 1000.0, 2000.0, 5000.0, 10000.0 microamperes
MODEL 269A completes with 2 test leads with re-
movable alligator clips, 4000 V., DC multiplier,
Operator's Manual. Size 7½ x 15½ x 6½. Weight 5 lbs. (Shipping Wt. 6 lbs.)
Dealer's Net Price $488.00
Accessory High Voltage Probe for 16000 volts DC.
Eveready Carrying Case No. 5760 $9.95

NOTE: REDUCED PRICE NOW $95.90
**SIMPSON INSTRUMENTS**

**MODEL 476 MICROSCOPE**

Sensitivity:
- Vertical direct: 12 volts rms per inch.
- Vertical amplifier: 20 millivolts rms per inch.
- Horizontal direct: 14 volts rms per inch.
- Horizontal amplifier: 30 millivolts rms per inch.

**INPUT IMPEDANCE:**
- Vertical direct: 10 megohms, 15 mfd.
- Horizontal direct: 10 megohms, 15 mfd.
- Vertical amplifier: 500,000 ohms, 30 mfd.
- Horizontal amplifier: 500,000 ohms, 15 mfd.

**TUBE COMPLEMENT:**
- SUP4: Cathode Ray Tube.
- 4J56: Horizontal and Vertical Amplifiers.
- 1J2AM: Vertical pre-amplifier.
- 1J6: Linear Sweep oscillator and Sync. injector.
- 2X24: High voltage rectifiers.

**LINE VOLTAGE:**
105-125 volts, 50-60 cycles.

**WATT:** 16% x 10% x 8% over all.

**WEIGHT:** 22 lbs. Shipping weight 30 lbs.

**DEALER'S NET PRICE including Operator's Manual and 2 sets of Leads.:** $197.00

**Accessory High Frequency Crystal Probe:** $7.50

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**SIMPSON MODEL 1000 PLATE CONDUCTANCE**

**FEATURES**
- Accurate Shorts and Leakage Tests With Indication In Ohms!

New Simpson Model 1000 tests any receiving tube including 9 pin miniature and subminiature tubes with base arrangements in a line or circle. Two dynamic plate conductance which is an important tube factor. Ohm indicators percentage of rated plate conductance which is adjusted to mutual conductance since amplification factor remains constant throughout the life of the tube. Testing by the Simpson plate conductance method makes testing methods simpler, more positive, more accurate. Tests are made under conditions simulating actual use in radio, television, hearing aids and other electronic circuits.

The Simpson 1000 quickly and conveniently shows you exact ohms values for inter-element leakage and tube shorts. Handy multi-position toggle switches help you make quick adjustments to proper voltages for leak, screen and plate supply. Each tube element individually connected to the proper potential...resists against tube damage during testing.

Practical Simpson Snap-Out-Snap-In transparent plastic windows provided for fast action roll chart. They're instantly removable. Add information on new tubes at any time. Easy-to-read type on roll chart...eliminates confusing.

Simpson's roll chart service makes a new roll chart available each year and complimentary roll chart supplement are provided at regular intervals.

The panel is finished in non-paint, grey hammerloid. Rich burgundy carring case. Looks like leather.

For 105-125 volts, 50-60 cycles. Size: 15% x 11% x 5%.

Wt.: 15 lbs. Shipping Weight: 19 pounds.

**DEALER'S NET PRICE, complete with Operator's Manual and extra cap lead:** $135.00

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**MODEL 221 ROTO RANGER**


Output: 2.5, 10, 50, 250, 500 volts AC. Ohms: 0-200,000 (12 ohms center). 0-20,000,000 (120 ohms center). 0-20 megohms (120,000 ohms center).

Size: 12% x 11% x 5%.

Wt.: 9 lbs. Shipping weight: 13 lbs.

**DEALER'S NET PRICE, complete with Test Leads and Operating Instructions:** $87.50

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**MODEL 276 OSCILLOSCOPE CALIBRATOR**

**RANGE:**
- RMS: 2.5, 10, 50, 300, 1000, 5000 cycles.
- PEAK to PEAK: 1.25, 10, 50, 300, 1000, 5000 cycles.

**WATTAGE:** 250 lbs. Shipping weight 4 lbs.

**DEALER'S NET PRICE:** $29.50

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**MODEL 381 CAPACITY BRIDGE**

**RANGE:**
- Range 1: 0.005 mfd. to 0.01 mfd.
- Range 2: 0.01 mfd. to 0.05 mfd.
- Range 3: 0.05 mfd. to 0.5 mfd.
- Range 4: 0.5 mfd. to 8 mfd.

**SIZE:** 12% x 10% x 5%.

**WEIGHT:** 14 lbs. Shipping weight: 8 lbs.

**LINE VOLTAGE:** 105-125 volts, 50-60 cycle.

**DEALER'S NET PRICE:** $29.50

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**PROBES**

- High Voltage Probe for 260 (50000 V): $9.95
- High Voltage Probe for 211 (5000 V): $9.95
- High Voltage Probe for 305 (3000 V): $9.95
- High Voltage Probe for 262 (1600 V): $11.50
- High Voltage Probe for 269 (1200 V): $11.50

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**TEST PROBS AND ELLIPSE TERMINALS**

- Test Probs and Spade Terminals...$1.25
- Alligator Clips and ECLIPSE Terminals...$1.25
- Alligator Clips and Spade Terminals...$1.25

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**LEADS**

- Combination test lead with removable alligator clips...$1.85

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**MULTI-PURPOSE MICROTESTERS**

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<tr>
<th>Range</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>0-5, 25, 100, 250, 1000, 5000</td>
<td>AC or DC Volt-Wattmeter</td>
<td>$25.70</td>
</tr>
<tr>
<td>Self-Contained Battery with Test Leads</td>
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<td></td>
</tr>
<tr>
<td>0-150, 0-300, 0-600 volts</td>
<td>AC Voltmeter</td>
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<tr>
<td>0-100, 0-200, 2000 ohms</td>
<td>DC Voltmeter</td>
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<tr>
<td>0-1000</td>
<td>DC Voltmeter</td>
<td>$39.50</td>
</tr>
<tr>
<td>0-100, 0-200, 2000 ohms</td>
<td>DC Voltmeter</td>
<td>$30.00</td>
</tr>
<tr>
<td>0-1000, 0-2000 ohms</td>
<td>DC Voltmeter</td>
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**CARRYING CASES**

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<td>311</td>
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<td>343</td>
<td>$5.50</td>
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**MODEL 485 SYNCHRONIZED CROSSMATCH PATTERN GENERATOR**

With the increasing number of programs being televi-
ved, less and less time is available for broadcasting of
the programs.

With the Model 485 Crossmatch Pattern Generator,
horizontal and vertical linearity, hold, height, width
and drive adjustments may be made easily and quickly
when transmitting test patterns are not available.

Model 485 is housed in a beautiful grey hammerloid
finned case with heavy leather handle for greater
portability.

**LINE VOLTAGE:** 105-125 volts, AC 60 cycles.

**SIZE:** 12% x 11% x 5%.

**WEIGHT:** 11 lbs. Shipping weight 15 lbs.

**DEALER'S NET PRICE, including special output cable for 75 and 300 ohm terminations and operating instructions:** $147.50

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**MODEL 4236**

**All Prices Dealer's Net**
The 2½" and 3½" rectangular instruments indicated (•) are also carried in stock with lucite illuminated dials. Supplied complete with socket and 6 volt bulb for an additional cost of $1.50 dealer's net. R.F. ammeters lucite illuminated must be supplied with external thermocouple. Add $4.95 for couple. All instruments are calibrated for use on non-magnetic panels.

### VOLTMETERS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>125-127</th>
<th>25-27</th>
<th>29</th>
<th>155-157</th>
<th>55-57</th>
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<tbody>
<tr>
<td>RANGE</td>
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<td></td>
<td></td>
<td>D.C.</td>
<td></td>
<td></td>
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<tr>
<td>0-1</td>
<td>$7.65</td>
<td>$8.85</td>
<td>$9.75</td>
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</table>

External resistors are furnished on A.C. meters having a range of 500 volts or higher. D.C. 1000 volts or higher.

### MILLIAMMETERS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>125-127</th>
<th>25-27</th>
<th>29</th>
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<tr>
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### MICROAMMETERS

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### MILLIVOLT METERS

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<td>7.65</td>
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<td>9.75</td>
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</table>
### INSTRUMENTS THAT STAY ACCURATE

#### MODELS 25, 35, 45, 55
- **3½" ROUND CASE—OPEN FACE**
  - Style: Flange diameters, 3½"; depth overall, 2½"; body diameter, 2½"; scale length, 2 9/16". Bakedite case.

#### MODELS 27, 37, 47, 57
- **3½" RECTANGULAR CASE**

#### MODELS 29, 39, 49, 59
- **4½" RECTANGULAR CASE**

### AMMETERS

<table>
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<td>A.C.</td>
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AC-DC ammeters are self-contained for ranges up to and including 8 amperes. Higher range DC ammeters can be supplied with external shunts and include 6 foot leads. Higher range AC ammeters can be supplied with external current transformers and include 2 foot leads.

### WATTMETERS—DYNAMOMETER TYPE

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<tr>
<th>RANGE</th>
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### R. F. AMMETERS

#### INTERNAL THERMOCOUPLE TYPE

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### RF MILLIAMMETERS

- 10-115: $21.45
- 0-150: $12.60
- 0-250: $14.55
- 0-500: $14.55
- 10-100 linear scale—50 divisions.

### VOLUME LEVEL INDICATORS—DECIBEL METERS

#### ZERO POWER LEVEL—6 MW. 500 OHM LINE

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<td>LOW SPEED TYPE</td>
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#### VOLUME LEVEL INDICATORS—VU METERS

- Not illuminated A or B Scale—3900 ohms: $15.00
- Illuminated A or B Scale—3900 ohms: $19.50

Model 142-4: Rectangular A

### D. C. GALVANOMETERS

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<thead>
<tr>
<th>SCALE</th>
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<th>RESIST.</th>
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### ALL PRICES DEALER’S NET

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Form 2052—12-53—30M