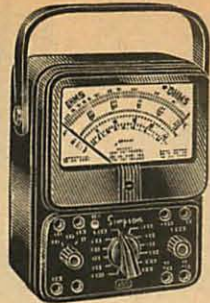


# Simpson Test Equipment, Cases

INSTRUMENTS THAT STAY ACCURATE



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260-5P



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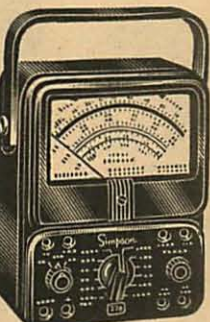
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260-5M, 261, 270-2, 250, 255



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653, 661

**Features:** Self-shielded hi-flux annular meter movement; spring-backed jewels; increased linearity and stability; input protected with internal 1-amp fuse; greater repeatability; mirror scale on three models; and, a knife-edge pointer. **Other Features:** Polarity reversing switch for easier, faster DC measurements; no lead reversing. Easy-to-read scales with black and red spread-out for faster, more positive reading. Less circuit loading; AC voltage range sensitivity of 5,000 ohms/volt. Adjust-A-Vue handle for prop-up convenience. Available in roll-top case. Come complete with leads and manual. **AC Volts (5,000 ohms/V):** 0-2.5-10-50-250-1000-5000 volts (0.1  $\mu$ F capacitor in series through 250 volts). **DC Volts (20,000 ohms/V):** 0-250 mV; 0-2.5-10-50-250-1000-5000 volts. **DC Current:** 0-50  $\mu$ A; 0-1-10-100-500 mA; 0-10 amps. **DB Scale (1 mW-600 ohms):** -20 to +10, -8 to +22; +6 to +36; +20 to +50. **Resistance:** 0-2K ohms-200K ohms-20 megohms (Rx1-x100-x10K); 12, 1200 and 120K ohms centers, respectively. **Scale Length:** 4.2". **Size:** 5 3/4" x 7" x 3 3/4". Shpg. Wt., 6 lbs.

## 260-5, 260-5M, 260-5P

Lowest priced models of the series, features good accuracy with full range coverage. Choice of scale: 260-5 comes with standard scale; 260-5M has mirror scale. **Accuracies:** AC volts = 3% F.S., 0-2.5 to 0-1000; = 4%, 0-5000. DC volts = 2% F.S. through 1000; = 3%, 0-5000. DC current = 1.5% F.S. through 50  $\mu$ A; = 2%, 0-1 mA to 0-10 A. Resist., = 2.5% of arc, Rx1; = 2.0%, Rx100 and Rx10,000. **Simpson 260-5**—With standard scale. Net Each. . . . . \$49.95\*  
**Simpson 260-5M**—With mirror scale. Net Each. . . . . \$1.95\*  
**Simpson 260-5P**—Same as 260-5, but features protective overload circuit with reset button that pops out when an overload is present. Net Each. . . . . \$78.95\*

## MODEL 261 HIGH ACCURACY VOM

Improved design with mirror scale and special calibration circuit to increase accuracy. Diode overload protection prevents movement burnout even on 200,000% overload. **Accuracies:** AC volts = 3% F.S., 0-2.5 to 0-1000; = 4% F.S., 0-5000. DC volts = 1.5% F.S. through 1000; = 2.5%, 0-5000. DC current = 1.0% F.S., 0-50  $\mu$ A; = 1.5%, 0-1 mA to 0-10 amps. Resistance = 2.0% of arc, Rx1; = 1.5%, Rx100 and Rx10,000. **Simpson Model 261**—Net Each. . . . . \$59.95\*

## MODEL 270-2 HIGH ACCURACY VOM

Extra-sensitive, top performer of the family features temperature compensated circuitry. Mirror scale with knife-edge pointer. **Accuracies:** AC volts = 2.0% F.S., 0-2.5 to 0-1000; = 3% F.S., 0-5000. DC volts = 1.25% F.S. through 1000; = 2.25%, 0-5000. DC current = 0.75% F.S., 0-50  $\mu$ A; = 1.25% F.S., 0-1 mA to 0-10 amps. Resistance = 1.5% of arc, Rx1; = 1.0%, Rx100 and Rx10,000. **Simpson Model 270-2**—Net Each. . . . . \$64.95\*  
\*For Roll-Top Case Version—Add suffix RT (i.e., 260-5MRT). Add. . . . . \$6.00

## NEW MODEL 250 50-mV DROP VOM

Same as 260-5 except: **AC/DC Volts:** Added range of 0-500 VAC and range of 0-50 mVDC; no 5000 VAC/DC. **Current:** Same but 50 mV drop on all ranges, plus 250 mV drop on 0-50  $\mu$ A range (= 1% F.S. accuracy). Diode protected. With test leads. **Simpson Model 250**—With standard scale. Net Each. . . . . \$56.95

## ACCESSORIES FOR ABOVE VOM'S

Simpson Model	Description	Net Each	Simpson Model	Description	Net Each
0249†	Roll-top case only	\$ 9.95	1818	Leather carrying case	\$8.50
0507†	10 kV high-voltage probe	10.20	0805	Ever-Ready vinyl case	9.95
0161†	10 kV high-voltage probe	11.75	0549	Same, but with storage	15.95
0508†	25 kV high-voltage probe	11.50	0574	Snap-on probe case, 0549	3.95
0509†	50 kV high-voltage probe	12.50	7500	Banana plugs; allig. clips	2.10
0163†	5' thermocouple lead	3.95	7538	Banana plugs; test prods	2.50

†Also used with older 260-3 VOM. ‡For Model 255 only.

## "ADD-A-TESTERS" 260® ADAPTER SERIES

Converts Simpson 260 VOM family (260, 261, 270) into nine different testers with a quality previously found only in individual pieces of test equipment. Just plug in one adapter, and you have added another application; no complicated connections. Take only 1/4 to 1/2 storage space of individual testers. Each combination of Add-A-Tester and 260, 261 or 270-2 is self-contained and self-powered. All adapters provide for normal usage of basic tester without disconnecting adapter. Cannot be used with roll-top cased models.

### MODEL 650 TRANSISTOR TESTER

**Beta Ranges:** 0-10-50-250, (F.S.). **Beta Accuracy:** Adapter, = 3%; with 260, = 5% (nominal); with 261 or 270, = 4% (nominal). **Ice Range:** 0-100  $\mu$ A. **Ice Accuracy:** Adapter, = 1%; with 260, = 3% (F.S.); with 261 or 270, = 2% (F.S.).  
**Simpson Model 650 Adapter**—Net Each. . . . . \$31.95  
**Simpson Model 7545 Test Lead**—Net Ea. . . . . 1.20

### MODEL 651 DC VTVM

**Voltage Ranges:** 0-5/1.0/2.5/5.0/10/25/50/100/250/500. **Accuracy:** = 1%; with 260, = 3% (F.S.); with 261 or 270, = 2% (F.S.). **Input Impedance:** More than 10 meg. all ranges.  
**Simpson Model 651 Adapter**—Net Each. . . . . \$39.95  
**Simpson Model 7547 Ground Lead**—Net. . . . . 1.20

### MODEL 652 TEMPERATURE TESTER

**Temperature Range:** -50° F to +100° F; +100° F to +250° F. **Accuracy:** = 2° (nominal) with 260, 261 or 270. **Sensing Element:** Thermistor. Three lead positions provided.  
**Simpson Model 652 Adapter**—Net Each. . . . . \$39.95  
**Centigrade Scale, add.** . . . . . 1.95

### MODEL 653 AC AMMETER

**Ranges:** 0-0.25/1/2.5/12.5/25 amps. **Accuracy:** Adapter, = 2%; with 260, 261 or 270, = 3% F.S. **Frequency Range:** 50-3,000 cps.  
**Simpson Model 653 Adapter**—Net Each. . . . . \$19.95

### MODEL 654 AUDIO WATTMETER

**Load Ranges:** 4, 8, 16, 600 ohms. **Wattage:** Continuous—25 watts (8, 600 ohms); 50 watts (4, 16 ohms). Intermittent—50 watts (8, 600 ohms); 100 watts (4, 16 ohms). **Accuracy:** Adapter, = 5%; with 260, = 10% (nominal); with 261 or 270, = 7% (nominal). **Direct Reading Scale:** From 17 microwatts to 100 watts.  
**Simpson Model 654 Adapter**—Net Each. . . . . \$21.95

### MODEL 655 MICROVOLT ATTENUATOR

**Ranges:** 2.5 microvolts to 250,000 microvolts, continuously variable in decade steps. **Frequency:** DC to 20 kc. **Accuracy:** Adapter, = 1/2 db; with 260, 261 or 270, = 1 db.  
**Simpson Model 655 Adapter**—Net Each. . . . . \$19.95

### MODEL 656 BATTERY TESTER

Checks all radio and hearing aid batteries up to 90 volts at the manufacturer's recommended load, or any external load. **Accuracy:** Adapter, = 1%; with 260, = 3% (F.S.); 261 or 270, = 2% (F.S.).  
**Simpson Model 656 Adapter**—Net Each. . . . . \$19.95

### MODEL 657 MILLIOHMETER

Ideal for accurate measurements of low resistance windings in meters, generators and transformers; ammeter and milliammeter shunts; and contact resistance in switches and relays. **Ranges:** 0-0.1/0.25/0.5/1.0 ohm. **Accuracy:** Adapter, = 1/4%; with 260, = 2% (F.S.); with 261 or 270, = 1 1/2% (F.S.).  
**Simpson Model 657 Adapter**—Net Each. . . . . \$44.95

### MODEL 661 DC AMMETER

Converts 260, 261 or 270 VOM's into a rugged, dependable, portable DC ammeter for use in testing automotive accessories and electrical systems, DC supplies, industrial DC control systems, welding, etc. **Range:** 0-1/2.5/5/10/25 amps. **Accuracy:** Adapter, = 1/4%; with 260, = 2% (F.S., nominal); with 261 or 270, = 1 1/4% (F.S., nominal).  
**Simpson Model 661 Adapter**—Net Each. . . . . \$22.95

### NEW MODEL 255 WIDE TEMP., 50-mV DROP VOM

Same as 260-5, except: **DC Volts:** Added 0-50 mV and 0-1 V ranges; no 0-5000 V range. **AC Volts:** No 0-5000 V range. **Current:** 0-50  $\mu$ A (50 and 250 mV drop); = 1% F.S. accuracy; 0-1-10-100-500 mA (50 mV drop); to 500 mA AC using adapter. No db scale. **Temp. Range:** +100° F to +1050° F. With leads, prods and 5' thermocouple lead. Diode protected.  
**Simpson Model 255**—With standard scale. Net Each. . . . . \$89.95  
**Simpson Model 0531**—Clamp-on unit for 0-500 amps. Net Each. . . . . \$29.95

### NEW METER SAFE/GUARD®

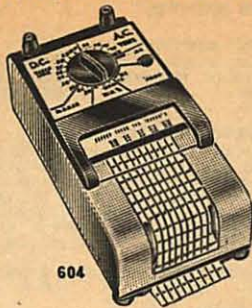
Use with Series 1, 2, 3 or 4 Simpson 260 or any other 20,000 ohms/volt VOM. Installs instantly to prevent damage to meter movement regardless of polarity with currents up to 200 mA, AC or DC.  
**Simpson Model 12C21**—Net Each. . . . . \$1.95



# Simpson Test Equipment

INSTRUMENTS THAT STAY ACCURATE

## NEW MODEL 604 MULTICORDER® VOM



604

Volt-amp-millamp-microamp recorder for permanent record of range and measured value. Inkless design leaves sequential impression on pressure-sensitive strip chart; virtually maintenance-free. High torque meter movement has shock-proof taut band suspension and moving coil system. Rugged, compact, accurate and easy-to-operate on a wide band of ranges and functions; shows range in use as the value is recorded. Makes an impression every 2 seconds with chart speeds of 1", 3" or 12" per hour, driven by self contained synchronous motor or by external means. Paper is 2.3" wide on 50' roll with 50 divisions. **Accuracy:**  $\pm 1.5\%$  FS, DC and AC (45-65 cps sine wave);  $\pm 2.5\%$  FS recording. **Temp. Influence:** (For 10° C change) DC, 1% max. of true value; AC, 1% max. 0-20° C positive and 20-50° C negative. **Frequency:** Flat, 15-10,000 cps; 2.5% FS, 1-20 kc. **DC Volts:** (20,000 ohms/volt) 0-0.1-0.5-2.5-10-25-100-250-500. **AC Volts:** 0-10-25-100-250-500. **DC Current:** 0-50-250  $\mu$ A; 0-1-5-25 mA. **AC Current:** 0-0.1-25-1 A. **Power:** 115 VAC, 60 cps with grounded cord supplied. **Size:** 9 3/4" x 4 1/4" x 4". **Weight:** 5 1/2 lbs. **Simpson Model 604 Multicorder—Net Each. \$199.95**

Carrying Case, Replacement Chart and other speed gears available on request.

## IMPROVED MODEL 269-2 AC-DC VOM

Self-shielded meter movement with spring-backed jewels; stops damage to meter pivots due to shock and vibration. External battery compartment for easy replacement. Input protected by 1.5-amp fuse. **AC Volts:** 0-3-8-40-160-400-800 at 5K ohms/volt and  $\pm 3\%$  accuracy. **DC Volts:** 0-1.6-8-40-160-400-800-1600 ( $\pm 2\%$ )-4000 ( $\pm 3\%$ ) at 100K ohms/volt. **Output Ranges:** 0.1  $\mu$ F capacitor in series thru 160 v. AC. **Ohms:** 0-200-20K-200K; 0-2-20-200 megs; 12 ohms center scale. **DC Current:**  $\pm 2\%$  accuracy 0-16-160  $\mu$ A; 0-1.6-16-160 mA; 0-1.6-8 amps. **DB:** -12 to +45.5 db; four ranges. **Size:** 6" x 7 1/4" x 3". **Net Weight:** 4 lbs. **Simpson Model 269-2—With test leads, 4000 v. DC \$89.95** probe extension and manual. **Net Each.**

## NEW MODEL 263 AC-DC DUAL SENSITIVITY VOM

Overlapping ranges for greater accuracy;  $\pm 1 1/2\%$  DC and  $\pm 3\%$  AC, full scale. Diode overload protection against burnout (even on 200,000% overload). External battery compartment for easy replacement; takes 1 1/2-volt alkaline type for great stability on low ohms scale. **AC Volts:** 0-2.5-7.5-30-150-750 at 10K ohms/volt; 0-5-15-60-300-1500 at 5K ohms/volt. **DC Volts:** 0-15-75-3-75-30-75-300-750-3000 at 20K ohms/volt; 0-3-1.5-6-15-60-150-600-1500-6000 at 10K ohms/volt. **Output Ranges:** 0.1  $\mu$ F capacitor in series thru 300 v. AC. **Ohms:** 0-500-5K-50K-500K; 0-5-50 megs; 4.5 ohms center scale. **DC Current:** All ranges  $\pm 1 1/2\%$  accuracy. At 150 mv, 0-75  $\mu$ A, 0-75-7.5-75-750 mA and 0-7.5 amps; at 300 mv, 0-150  $\mu$ A, 0-1.5-15-150 mA and 0-1.5-15 amps. **DB:** -20 to +75.5 db; ten ranges. **Size:** 6" x 7 1/4" x 3". **Net Weight:** 4 lbs. **Simpson Model 263—With test leads and manual. Net. \$78.95**

## MODEL 262-2 AC-DC VOM

Compact design covers 33 ranges on easy-to-read 7" scale with repetitive accuracy. Self-shielded meter movement and spring-backed jewels. **AC Volts:** 0-3-8-40-160-800 at 5K ohms/volt and  $\pm 5\%$  accuracy. **DC Volts:** 0-1.6-8-40-160-400-1600-4000 at 20K ohms/volt and  $\pm 3\%$  accuracy. **Output Ranges:** 0.1  $\mu$ F capacitor in series thru 160 v. AC. **Ohms:** 0-500-5K-50K-500K; 0-5-50 megs; 4.5 ohms center scale. **DC Current:**  $\pm 3\%$  accuracy, 0-80-160  $\mu$ A; 0-1.6-16-160 mA; 0-1.6-16 amps. **DB:** -12 to +45.5 db; four ranges. **Size:** 6" x 7 1/4" x 3". **Net Weight:** 4 lbs. **Simpson Model 262-2—With test leads; manual. Net. \$69.95**

## MODEL 267 AC-DC VOM

Expanded meter scales on big 7" meter for easy readings. One major switch selects range position and function at the same time. Input protected with internal 1-amp fuse. **AC Volts:** 0-2.5-10-50-250-500-1000 at 5K ohms/volt and  $\pm 5\%$  accuracy. **DC Volts:** 0-2.5-10-50-250-500-1000 at 20K ohms/volt and  $\pm 3\%$  accuracy. **Output Ranges:** 0.1  $\mu$ F capacitor in series thru 300 v. AC. **Ohms:** 0-2K-20K-200 megs; 12 ohms center scale. **DC Current:** 0-50  $\mu$ A ( $\pm 2\%$ ); 0-1-10-100-500 mA ( $\pm 3\%$ ); 0-10 amps ( $\pm 3\%$ ). **DB:** -20 to +10, -8 to +22, +6 to +36, and +20 to +60. **Size:** 6" x 7 1/4" x 3". **Net Weight:** 4 lbs. **Simpson Model 267—With test leads and manual. Net. \$59.95** **Simpson Model 8568 (2500 VDC), 8570 (2500 VAC), 8569 (5000 VDC), 8571 (6000 VAC)—High voltage multipliers. Net. \$3.60**

## MODEL 268 AC-DC VOM

Same as Model 267, but with slightly different ranges. **AC Volts:** 0-3-12-60-300-600-1200 at 5K ohms/volt and  $\pm 5\%$  accuracy. **DC Volts:** 0-3-12-60-300-600-1200 at 20K ohms/volt and  $\pm 3\%$  accuracy. **Output Ranges:** 0.1  $\mu$ F capacitor in series thru 300 v. AC. **Ohms:** 0-2K-20K-200 megs; 12 ohms center scale. **DC Current:** 0-60  $\mu$ A ( $\pm 2\%$ ); 0-1.2-12-120 mA ( $\pm 3\%$ ); 0-12 amps ( $\pm 3\%$ ). **DB:** -12 to +11, -1 to +22, +13 to +36, and +27 to +60. **Size:** 6" x 7 1/4" x 3". **Net Weight:** 4 lbs. **Simpson Model 268—With test leads and manual. Net. \$59.95** **Simpson Model 8572 (3000 VDC), 8574 (3000 VAC), 8573 (6000 VDC), 0004 (6000 VAC)—High voltage multipliers. Net. \$3.60**

## MODEL 311 AC-DC VTVM

High 22 meg DC input impedance reduces circuit loading. **AC Volts:** 0-1.5-5-15-50-150-500-1,500 ( $\pm 5\%$  FS). **Peak-To-Peak Volts:** 0-4-14-40-140-400-1,400-4,000. **DC Volts:** Same ranges as AC ( $\pm 3\%$  FS). **AF Volts:** Same ranges as AC (30 cps to 100 kc,  $\pm 5\%$ ). **RF Volts:** 0-1.5-5-15-50-150 with probe (80 cps to 100 mc, 0-150 v. rms). **Frequency Response:**  $\pm 5\%$  to 100 kc; to 250 mc with probe. **Ohms:** 0-1K-10K-100K; 0-1-10-100-1,000 megs (centers at 10, 100, 1K, 10K, 100K, 1 meg and 10 megs, respectively). **Input Power Required:** 105-125 v. AC, 50-60 cps; 220/110 v. available. **Size:** 7 1/2" x 5 1/2" x 4 1/2". **Wt., 5 lbs.** **Simpson Model 311—With AC-DC ohms probe, ground \$69.95** lead and manual. **Net Each.**

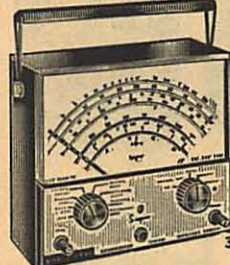
ACCESSORIES LISTED ON ANOTHER SIMPSON PAGE



262-2, 267, 268, 269-2



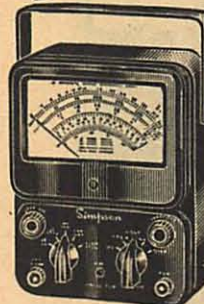
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## NEW MODEL 312 VTVM

Up to 40% less circuit loading than conventional VTVM's; input resistance 16 megs instead of the usual 11. Easy-to-read 7" scale. Ideal for solid-state tests with 1/2-volt range. **Accuracy:**  $\pm 3\%$  FS, AC and DC;  $\pm 3\%$  arc, resistance. **Frequency Response:**  $\pm 3\%$ , 15 cps to 3 Mc, thru 150 VAC;  $\pm 1$  db, 10 kc to 250 Mc with RF probe; usable to 40 V rms. **DC Volts:** 0-0.5-1.5-5-15-50-150-500-1500 (16 megs impeded). **AC Volts:** 0-1.5-5-15-50-150-500-1500 V rms (1 meg min. imp.); 0-4-14-40-140-400-1400-4000 V p-p. **Resistance:** R x1, x10, x100, x1K, x10K, x100K, x1M; 10-ohm center. **Power:** 105/125 VAC, 50/60 cps. **Size:** 7 1/4" w. x 6 3/4" h. x 3 3/4" d. **Weight:** 4 3/4 lbs. **Simpson Model 312—With probe and manual. Net Ea. \$79.95**

## MODEL 715 AC VTVM

High sensitivity VTVM for the audio field. **Accuracy:**  $\pm 5\%$  of full scale. **Sensitivity:** 10 mv full scale on lowest range. **Frequency Response:**  $\pm 1$  db, 10-400,000 cps. **Input Impedance:** 1 meg minimum at 1 kc shunted by 25  $\mu$ F. **Internal Multipliers:**  $\pm 1\%$  precision resistors. **Volts:** 0-0.01-0.03-0.1-0.3-1-3-10-30-100-300 rms. **DB:** Total range, -52 to +52 dbm. **Zero DBM:** 1 mw in 600 ohms. **Scale:** -12 to +2 db. **Input Power Required:** 110-125 V rms, 50-60 cps at 10 watts. **Size:** 7 1/2" x 5 1/2" x 3". **Wt., 3 1/2 lbs.** **Simpson Model 715—Complete with manual and \$69.95** shielded input cable. **Net Each.**

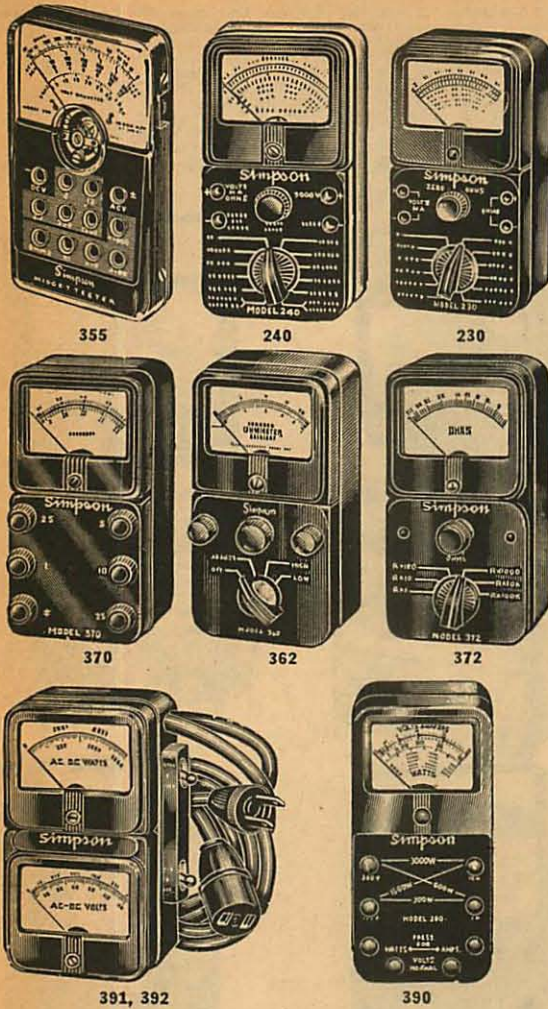
## MODEL 303 AC-DC VTVM

Features easy-to-read 4 1/2" scale. **AC Volts:** 0-1.2-12-60-300-1200 ( $\pm 5\%$  FS). **DC Volts:** 0-1.2-12-60-300-1200 ( $\pm 3\%$  FS). **AF Volts:** 0-1.2-12-60. **Frequency:** flat to 100 kc on the three low AC ranges. **RF Volts:** 20 v. max.; frequency 20 kc to 100 mc with RF probe. **Ohms:** 0-1K-100K; 0-1-10-100 megs (centers at 10, 1K, 10K, 100K and 10 megs, respectively). **DB:** -20 to +63; 5 ranges. **Input Power Required:** 105-125 v. AC, 50-60 cps; 220/110 v. models available. **Size:** 5 1/4" x 7" x 3 1/4". **Net Wt., 4 lbs.** **Simpson Model 303—Complete with DCV probe, ACV- \$73.95** ohm probe, ground lead and manual. **Net Each.** **Simpson Model 303-RT—In roll top case. Net Each. \$82.95**



# Simpson Test Equipment

INSTRUMENTS THAT STAY ACCURATE



## MODEL 355 MIDGETESTER® AC-DC VOLT-OHMMETER

Compact meter with 100  $\mu$  self-shielded core meter movement; 10,000 ohms/volt sensitivity. **AC Volts:** 0-3-12-60-300-1200. **DC Volts:** 0-3-12-60-300-1200. **Ohms:** 0-10K-100K; 0-1-10 megs., 120, 1.2K, 12K and 120K ohms center, respectively. **Accuracy:**  $\pm 3\%$  DC;  $\pm 5\%$  AC;  $\pm 3^\circ$  ohms. **Frequency Response:** Essentially flat to 10 kc. **Movement:** Self-shielded core magnet permits use without interference from metals or magnetic fields. **Size:**  $2\frac{3}{4} \times 4\frac{1}{2} \times 1\frac{1}{2}$ . Net Weight, 8 oz.  
Simpson Model 355—Complete with leads and manual. **\$34.95**  
Net Each.  
Simpson Model 8600—Test prods. Net Each. **\$2.10**  
Simpson Model 6355—Ever-Redy leather case. Net Ea. **3.95**

## SIMPSON MICRO-TESTERS

General purpose, extra-compact test instruments available in a variety of models. **Size:**  $3 \times 5\frac{1}{4} \times 2\frac{1}{2}$ ". Net Wt.,  $1\frac{1}{2}$  lbs.

### MODEL 240 AC-DC VOLT-OHM-MILLIAMMETER

For radio and appliance testing. Sensitivity, 1,000 ohms/volt. **AC Volts:** 0-15-150-750-3000. **DC Volts:** 0-15-75-300-750-3000. **Ohms:** 0-3K-300K; 30 and 3K ohms center respectively. **DC Current:** 0-15-150-175 ma. **Accuracy:** DC v.  $\pm 3\%$  FS; AC v.  $\pm 5\%$  FS; DC resistance  $\pm 3^\circ$  of linear arc. **\$34.95**  
Simpson Model 240—With leads and manual. Net Each

### MODEL 230 AC-DC VOLT-OHM-MILLIAMMETER

For radio and appliance testing. **AC Volts:** (400 ohms/volt) 0-10-250-1000. **DC Volts:** (1,000 ohms/volt) 0-10-50-250-1000. **Ohms:** 0-1K-100K. **DC Current:** 0-10-50-250 ma. **Accuracy:** DC v.  $\pm 3\%$  FS; AC v.  $\pm 5\%$  FS; DC resistance  $\pm 3^\circ$  of linear arc. **\$33.95**  
Simpson Model 230—With leads and manual. Net Each

### MODEL 370 AC AMMETER

Self-contained current transformer (use on 60 cps only) and indicating instrument. **Ranges:** 0-1-2.5-5-10-25 amps. **Accuracy:**  $\pm 5\%$  of full scale. **\$25.95**  
Simpson Model 370—Net Each

## MICRO-TESTERS (CONT'D)

### MODEL 375 DC AMMETER

Covers a wide range without auxiliary shunts. Ideal for unmettered power supplies in radio and TV shops. **Ranges:** 0-1-2.5-5-10-25 amps. **Accuracy:**  $\pm 3\%$  of full scale. **\$24.95**  
Simpson Model 375—Net Each

### MODEL 362 LOW-OHMMETER

Makes accurate checks on low-current circuits. Reads from 0.1 to 25 ohms across two ranges, 0-5 and 0-25. **Accuracy:** within  $\pm 3^\circ$  of linear arc from absolute value of resistance measured. Ideal for checking motor armatures and fields, switch and relay contact resistances, industrial electrical equipment, shorts in TV and radio chassis wiring, between generator windings and grounds, etc. Draws only 5 ma for long battery life; uses  $1\frac{1}{2}$ -volt flashlight batteries.  
Simpson Model 362—Complete with calibrated test **\$27.95** leads. Net Each

### MODEL 372 OHMMETER

Features a wide range of measurements from 0.2 ohm to 500 megohms in six ranges. **Ranges:** 0-500-5K-50K-500K ohms; 0-5-50 megs. Center scale values: 5, 50, 500, 5K, 50K, 500K ohms. **Accuracy:**  $\pm 3^\circ$  of linear arc.  
Simpson Model 372—Complete with leads and manual. **\$32.95** Net Each

### MODELS 391 AND 392 AC-DC VOLT-WATTMETERS

For simultaneous readings of AC or DC volts or watts. Two separate 3" square meters; built-in cord and plug for connection to line outlet; separate toggle switches for range selection. **Volts:** 0-130-260. **Watts:** 0-1500-3000. **Accuracy:**  $\pm 5\%$  or better of full scale.  
Simpson Model 391 AC-DC Volt-Wattmeter—With **\$47.95** manual. Net Each  
Simpson Model 392 AC-DC Volt-Wattmeter—Similar **\$49.95** to Model 391 except watt ranges: 0-1000-5000. Net Each

### MODEL 390 AC VOLT-AMP-WATTMETER

Most popular tester for measuring AC/DC volts, AC amps and AC watts on one meter. Wide coverage permits servicing nearly any appliance. Rugged design. **Volts:** 0-150-300. **Amps:** 0-3-15. **Watts:** 0-300-600-1500-3000. **Accuracy:**  $\pm 5\%$  or better of full scale.  
Simpson Model 390—Complete with break-in plug, test **\$54.95** leads and manual. Net Each

### MODEL 371 AC VOLTMETER

For testing line voltages applied to motors, heating equipment and other industrial uses. **Ranges:** 0-150-300-600 volts. **Accuracy:**  $\pm 3\%$  of full scale. **\$25.95**  
Simpson Model 371—Net Each

### MODEL 376 AC VOLTMETER

Rectifier type, 1000 ohms/volt. Useful where limited current occurs in circuit. Ideal as output meter when used with proper capacitor. **Ranges:** 0-5-10-25-50-100-250-500-1000 volts. **Accuracy:**  $\pm 5\%$  of full scale. **\$27.95**  
Simpson Model 376—Net Each

### MODEL 377 DC VOLTMETER

Resistance 1000 ohms/volt for radio servicing and industrial applications. **Ranges:** 0-1-2.5-5-10-25-50-100-250-500-1000 volts. **Accuracy:**  $\pm 3\%$  of full scale. **\$29.95**  
Simpson Model 377—Net Each

### MODEL 373 DC MILLIAMMETER

General purpose design for plate and screen grid measurements on tubes, etc. **Ranges:** 0-1-5-10-25-50-100-250-1000 ma. **Accuracy:**  $\pm 3\%$  of full scale. **\$24.95**  
Simpson Model 373—Net Each

### MODEL 378 AC MILLIAMMETER

Five ranges for a wide variety of testing: Transformers, vacuum tubes, etc. With current transformer built-in. **Ranges:** 0-5-25-100-250-1000 ma. **Accuracy:**  $\pm 5\%$  of full scale. **\$29.95**  
Simpson Model 378—Net Each

### MODEL 374 DC MICROAMMETER

Basic movement sensitivity, 50  $\mu$  with self-contained shunts for other ranges. Use with external resistors or multipliers as high sensitivity voltmeter at 20K ohms/volt. Can be shorted out of circuit using selector knob. **Ranges:** 0-50-100-250-500-1000  $\mu$ a. **Accuracy:**  $\pm 3\%$  of full scale. **\$29.95**  
Simpson Model 374—Net Each

### MODEL 379 BATTERY TESTER

Accurate indication of all flashlight, hearing aid (mercury), transistor and portable radio batteries. **Ranges:** 0-1.5-4.5-6-7.5-9-15-22.5-30-45-67.5-90 volts. **\$29.95**  
Simpson Model 379—With test leads and manual. Net

## ACCESSORIES FOR MICRO-TESTERS

### TEST PROBES AND LEADS

Model	For Instrument	Description	Net Ea.
8375	230, 240, 372	Allig. clips and elbow terms.	\$1.75
8376	Micro-Testers	Allig. clips and spade terms.	1.75
8379	Micro-Testers	Test prods and spade terminals	2.50
8381	230, 240, 372	Test prods and elbow terminals	2.50
8600	355	Test prods	2.10

### CASES

3011	Micro-Testers	Leatherette-covered case	\$5.95
3413	391, 392	Leatherette-covered case	5.95
4299	Micro-Testers	Ever-Redy case	7.50
6355	355	Ever-Redy leather case	3.95



# Simpson Test Equipment

INSTRUMENTS THAT STAY ACCURATE

## MODEL 383A CAPACOHMETER

"One-package flexibility" for measuring leakage of defective paper, mica and ceramic capacitors; indicates directly the capacitance of good paper, mica and ceramic capacitors over a range of 10  $\mu$ f to 10  $\mu$ f; detects many marginal capacitors by means of a pulse technique. Borderline or weak capacitors are knocked out by the pulse test. All tests are read directly on a large 4 1/2" meter. No adjustment required of bridge circuit and balancing controls. All measurements are made under load conditions. Many tests are made in the circuit. **Line Voltage:** 105-125 v. AC, 50 or 60 cps (specify). **Size:** 13 3/4" x 10 3/4" x 10". Shipping Weight, 12 lbs. **\$99.95**  
**Simpson Model 383A**—With test leads and manual. Net

## MODEL 458 7" COLORSCOPE

An ideal 'scope for servicing color TV. On wide band, frequency response is  $\pm 1$  db to 4.5 mc. Faithfully displays color burst frequency; sensitivity, 40 mv rms/inch of vertical deflection. On narrow band frequency response is flat,  $\pm 2$  db, 10 cycles to 300 kc with sensitivity greater than 15 mv rms/inch of vertical deflection. Good square wave response for accurate representation of sync pulses and composite wave-form pattern, for trouble-shooting video, sync and sweep circuits. Horizontal sweep, to 250 kc, for expansion of high frequency wave-form and color burst. Vernier and compensated decimal step attenuator. Provision for intensity modulation of CRT. Calibration, 1 v. p-p. **Size:** 11" x 16 1/2" x 14 1/2". Shipping Weight, 38 lbs.

**Simpson Model 458**—With manual. For 105-125 v. **\$249.95** AC, 50-60 cps. Net Each.  
**Simpson Model 458 Dual**—For 220/110 volts. Net Ea. **\$259.95**

## MODEL 739 PROBE KIT

For use with Model 458 (above) only. Four color-coded probes and connecting cable. Probes include: 740A voltage doubler (blue); 741A low input capacitance (yellow); 742A 100:1 voltage divider (red); 743A dual direct-resistive—isolation (green). In plastic roll. **Simpson Model 739**—Net Each. **\$45.15**

## MODEL 466 HANDISCOPE

Small, portable 'scope with a 5" screen for practically any TV-radio service job. **Frequency Response:** Vertical Amplifier: 15-100,000 cps,  $\pm 1$  db; 6 db down at 250 kc; usable to 1 mc. Horizontal Amplifier: 15-20,000 cps,  $\pm 1$  db; 6 db down at 100 kc. **Maximum Deflection Sensitivity:** Vertical, 30 mv rms/inch; horizontal, 0.7 v. rms/inch. **Z-Axis Sensitivity:** 20 v. rms (voltage required to extinguish beam). **Calibrating Voltage:** (At 117.5 v. AC) 1 v. p-p,  $\pm 10\%$ . **Input Ratings:** Voltage, 400 v. peak; resistance, 0.1 meg (at attenuation x 1), 0.5 meg (at attenuation x 100); capacitance, 40  $\mu$ f (at attenuation x 1), 35  $\mu$ f (at attenuation x 100). **Sawtooth Sweep Range:** 15-80,000 cps. **Power Consumption:** (At 117.5 v. AC) 50 watts,  $\pm 10\%$ . **Size:** 7 1/4" x 12 1/4" x 16 1/4". Net Weight, 19 lbs.

**Simpson Model 466**—With input cable and manual. **\$159.95** For 110 v., 50-60 cps. Net Each.  
**Simpson Model 466 Dual**—For 220/110 v., 50-60 cps. **\$169.95**  
**Simpson Model 0100**—Input cable. Net Each. **2.85**

## MODEL 338-3L THERM-O-METER

Measures the temperature of gases, air, solids or liquids; over a range of from -50° F to +1000° F. Combined Fahrenheit and Centigrade scale. Thermocouple (iron-constantan) sensing element. **Accuracy:**  $\pm 1\%$  scale divisions. **Size:** 7 1/4" x 6" x 2 1/4".  
**Simpson Model 338-3L**—For three probes. With Adjust-A-Vue handle, one general purpose probe, internal battery, **\$67.95** and instruction manual. Net Each.

## MODEL 389-3L THERM-O-METER®

Dual-range temperature meter permitting an accuracy of  $\pm 2^\circ$  F. Dial has combination Centigrade and Fahrenheit scales. **Ranges:** -50° F to +100° F; +100° F to -250° F. **Accuracy:**  $\pm 2^\circ$  F. Supplied in three lead models only. **Size:** 7 1/4" x 8" x 2 1/4".  
**Simpson Model 389-3L**—With internal battery, manual, and one Model 0010 15' thermistor type lead; additional probes **\$62.95** are available. Net Each.

## MODEL 385-3L TEMPERATURE METER

Compact instrument ideal for measuring temperatures from -50° F to +70° F under conditions where fast, accurate readings are important. Thermistor sensing element. Large 3" meter. **Accuracy:**  $\pm 1^\circ$  F, center scale;  $\pm 2^\circ$  F at ends. **Size:** 3" x 5 3/4" x 2 1/4". Net Weight, 1 1/2 lbs.  
**Simpson Model 385-3L**—For three probes. Complete with one Model 0010 15' thermistor type lead, and manual. **\$35.95** Net Each.

## TEMPERATURE TESTER ACCESSORIES

For 385-3L or 389-3L			For 388 or 388-3L		
Model	Description	Net Ea.	Model	Description	Net Ea.
0789	Free air T probe	\$ 7.45	0496	8' svc. lead	\$6.95
0010	15' therm. lead	6.50	0190	Gen. purpose thermocouple	4.95
0216	Same, 30 ft.	6.45	0187	Surface temp. thermocouple	8.90
0415	Same, 50 ft.	7.60		thermocouple, 000° F max.	
0416	Same, 100 ft.	10.40		Ever-Ready vinyl case†	9.95
0417	Same, 150 ft.	12.90			
0790	Surface T probe	6.95	5262		
8073	Ever-Ready Case*	8.75			

## ACCESSORIES FOR OTHER TESTERS

Model	For Instrument†	Description	Net Ea.
8463	262, 269	Comb. test prods with allig. clips and elbow terms.	\$ 2.30
0009	221	30 kv high voltage probe	12.55
0173	269 Series 1	16 kv high voltage probe	11.95
0181	269 Series 1	40 kv high voltage probe	13.50
0172	262 Series 1	16 kv high voltage probe	11.95
0180	262 Series 1	40 kv high voltage probe	12.50

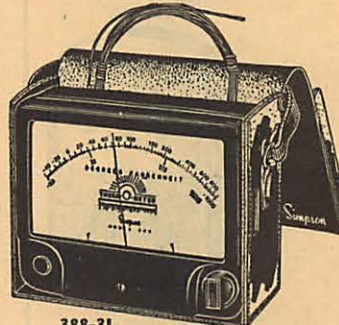
\*Leather, 385-3L only. †For 388, 388-3L or 389-3L. ‡Former Simpson models not now available.



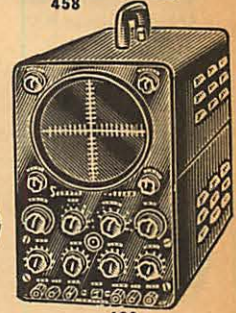
383A



458



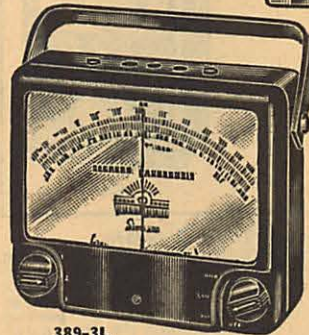
388-3L



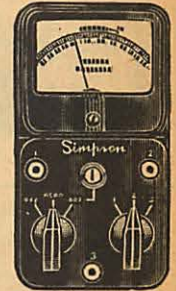
466



739



389-3L



385-3L

## VOM AND VTVM ACCESSORIES

Model	For Instrument	Description	Net Ea.
0172	262, 262-2	16 kv high-voltage probe	\$11.95
0180	262, 262-2	40 kv high-voltage probe	12.50
0141	263	Comb. 30 kv (10 Kohms/volt) and 15 kv (20K ohms/volt) probe	11.95
0507	267	10 kv DC high-voltage probe	10.20
0508	267	25 kv DC high-voltage probe	11.70
0509	267	50 kv DC high-voltage probe	12.50
7538	267, 268	Banana plugs and test prod leads	2.50
0510	268	12 kv DC high-voltage probe	12.95
0511	268	30 kv DC high-voltage probe	23.95
0115	263, 269-2	Comb. test prods, removable alligator clips, elbow terminals	2.30
0119	269-2	16 kv DC high-voltage probe	11.95
0120	269-2	40 kv DC high-voltage probe	12.50
5262	262-2, 263, 267, 268 and 269-2	Ever-Ready vinyl case	9.95
0067	303	DC probe	3.55
0068	303	AC probe	3.55
0069	303	Ground lead	1.70
0073	303	High frequency probe	1.95
0074	303	30 kv high-voltage probe	11.95
0805	303	Ever-Ready leather case	9.75
6379	303	Roll top safety case	9.95
0731	311	High frequency probe	11.50
0732	311	High voltage probe	11.75
0733	311	Ground lead	1.50
0734	311	DC-AC/Ohms probe	8.50
0100	715	Input cable	2.95
0152	312	RF probe	8.75
0155	312	High voltage probe	11.75
0577	312	Vinyl case with storage space	12.95
0740		Voltage doubler probe	14.65
0741		Low capacitance probe	15.00
0742		100:1 voltage divider	15.00
0743		Direct-resistive dual purpose	11.55