

# NEW SIMPSON MODEL 270



270 RT



Ever-Redy Carrying Case



## RANGES

**D.C. VOLTAGE** (20,000 ohms-per-volt): 0-250 mv; 0-2.5 v; 0-10 v; 0-50 v; 0-250 v; 0-1000 v; 0-5000 v.

**A.C. VOLTAGE** (5000 ohms-per-volt): 0-2.5 v; 0-10 v; 0-50 v; 0-250 v; 0-1000 v; 0-5000 v.

**A.F. VOLTAGE (OUTPUT)** (With 0.1 uf internal series capacitor): 0-2.5 v; 0-10 v; 0-50 v; 0-250 v.

**VOLUME LEVEL IN DECIBELS** (Zero db equal to 1 milliwatt across a 600 ohm line): -20 to +10 db; -8 to +22 db; +6 to +36 db; +20 to +50 db.

**D.C. RESISTANCE:** 0-2000 ohms (12 ohm center); 0-200,000 ohms (1200 ohms center); 0-20 megohms (120,000 ohms center).

**DIRECT CURRENT:** 0-50 ua; 0-1 ma; 0-10 ma; 0-100 ma; 0-500 ma; 0-10 amp.

## Features . . .

- Excellent repeatability.
- Greater accuracy predictable over a wide temperature range.
- DC accuracy:  $1\frac{1}{2}\%$ \* F.S.
- AC accuracy:  $2\%$ \* F.S.
- Resistance accuracy:  $\pm 1\frac{1}{2}^\circ$  of arc.

\*At an ambient temperature of 77° F.

Model 270 includes all of the excellent features of the world famous 260, plus a mirrored scale and knife-edge pointer. It offers you dependability, ruggedness, and the higher accuracy necessary for many production and laboratory applications. You get excellent repeatability. The reading you get today will repeat itself when taken under the same conditions at another time. Any change of reading will be in the circuit measured, not in the model 270.

Add Simpson's Model 270 to your test lab for most of your high sensitivity measurements. Have your Electronic Distributor show it to you today.

Net Price . . . . . **\$59.95**  
Complete with leads and operator's manual.  
270RT . . . . . **\$65.95**

## ACCESSORIES

25,000 V High Voltage Probe No. 0247 . . . . . \$ 9.95  
50,000 V High Voltage Probe No. 0248 . . . . . \$12.50  
Leather Carrying Case . . . . . No. 1818 . . . . . \$ 7.75  
Vinyl Plastic Carrying Case . . . . . No. 4236 . . . . . \$ 9.75

## SPECIFICATIONS

### ACCURACIES over a wide temperature range

RANGES	TEMPERATURES	
	77° F.	67° F. to 87° F.
50 ua	$\frac{3}{4}\%$	$1\frac{1}{4}\%$
DCV to 1000	$1\frac{1}{2}\%$	2%
5000 VDC	$2\frac{1}{2}\%$	3%
DC Current (except 50 ua)	$1\frac{1}{2}\%$	2%
Ohms	$1\frac{1}{2}^\circ$ of arc	$2^\circ$ of arc
ACV to 1000	2%	3%
5000 VAC	3%	4%

The reduction in accuracy from that at 77° F. is  $\pm 0.05\%$  per degree F. on DC and  $\pm 0.1\%$  per degree F. on AC over the temperature range of 77° F.  $\pm 10^\circ$  F.

### SENSITIVITY

Current—250 mv drop at full scale  
DCV—20,000 ohms per volt at full scale  
ACV—5000 ohms per volt at full scale

### FREQUENCY RESPONSE

Flat from 20 cycles to 30 kc and within  $\frac{1}{2}$  db on 2.5, 10, and 50 VAC ranges at 200 kcps.

### HIGH VOLTAGE STABILITY

Newly developed feature permanently eliminates the possibility of erratic readings due to electrostatic fields.

**SIMPSON ELECTRIC COMPANY** 5200 West Kinzie Street, Chicago 44, Illinois  
Phone: EStbrook 9-1121 • In Canada: Bach-Simpson Ltd., London, Ontario

**WORLD'S LARGEST MANUFACTURER OF ELECTRONIC TEST EQUIPMENT**