

Round and Rectangular Panel Meters (continued)

Range	Approx. Impedance (ohms) @ 60 Hz	2 1/2" Case Styles		3 1/2" Case Styles		4 1/2" Case Styles	
		Cat. Nos.	Price	Cat. Nos.	Price	Cat. No.	Price
AC VOLTMETERS Rectifier type, self-shielding meter movement							
Models:		45		47		49	
0-1	2000 ohms per volt			08120		08300	
0-3				08130		08310	
0-5						08320	
0-10						08330	
0-15						08340	\$62.55
0-50						08350	\$62.55
0-100				08180		08360	
0-150				08010	08190	08370	
0-300						08371	

AC MILLIAMMETERS Rectifier type, self-shielding							
0-1	600			06820	06850	06880	
0-2	400				06860	54.30	59.25
0-5	200			06840	06870		

AC MICROAMMETERS Rectifier type, self-shielding							
0-100	3400			04080	04120	62.55	04160 66.60
0-200	2400						04170 60.45
0-300	1800				04140	54.30	04180 59.25
0-500	1200				04150	54.00	04190 58.05

RF AMMETERS Self-shielding							
		Models		Models		Model	
		135	137	35	37	39	
0-1	.343	01901	01980	00670	00750	00870	
0-1.5	.200	01910	02000		00770	00880	
0-2	.120		02010		00780	00890	
0-2.5	.10	01930			00800	00900	
0-3	.08	01940	02040	\$43.65	00710	00810	47.70 00910 54.30
0-5	.045	01950	02060		00720	00830	00920
0-8	.031		02080			00850	00930
0-10	.023		02090		00736	00860	00940

*The standard wattmeter is unsuitable for use at low values of power because the power dissipated in the meter itself becomes an appreciable portion of the meter reading. This error is corrected in a COMPENSATED wattmeter.

Range	Approx. Impedance (ohms) @ 60 Hz	2 1/2" Case Styles		3 1/2" Case Styles		4 1/2" Case Styles	
		Cat. Nos.	Price	Cat. Nos.	Price	Cat. No.	Price
RF MILLIAMMETERS Self-shielding meter movement							
Models:		35		37		39	
0-115*	5.5			05260	05300	\$85.35	05330 \$89.55
0-150	4.5			05270	05310	56.40	05340
0-250	3.5			05280	05320		05350 63.30
0-500	.63						05360

*0-100 uniformly divided scale

WATTMETERS Dynamometer type, single phase. Accuracy: ± 2%							
Range	Maximum Volts	Maximum Amps	Models 175 177		Models 75 77		Model 79
0-75	150	1.0		10860		10650	10720
0-150	150	2.0			\$79.20		10730 102.75
0-300	150	4.0				10600	10740
0-600	300	4.0					10750
0-750	150	10.0		10900			10690 10760
0-1500	300	10.0		10910	86.55		10700 10770 109.20
0-3000	300	20.0		10920			10710 10780

COMPENSATED WATTMETER* Single phase. Accuracy: ± 3%							
0-20	300	.400					10714 137.40

dB METERS Self-shielding. Zero power level: 6 mW into 500 Ω line					
Range	Approx. Ω	Model 47	Price	Model 49	Price
-10 to +6 dB	5000 ohms	03450	\$56.55	03460	\$61.05

VU (Volume Level) METERS† Self-shielding					
Reference level: 1 mW into 600 Ω line					
Scale		Model 47		Model 142	
A—Scale, Not Illuminated		10450	66.75	10460	73.05
B—Scale, Not Illuminated				10530	73.05
A—Scale, Illuminated‡				10470	79.20
B—Scale, Illuminated‡				10540	79.20

†Simpson VU meters meet all the electrical and ballistic specifications established by Bell Laboratories and American National Standards Institute as required by broadcasting, communication and sound engineers. They are available with either type A or B scales. Type A scale stresses the level in VU for monitoring wire lines. Type B scale stresses per cent use of transmitter output and is the standard for broadcast service. Impedance is 3900 Ω at "0" VU deflection.
‡2 bulbs, 6 V 150 mA



250° Long Scale

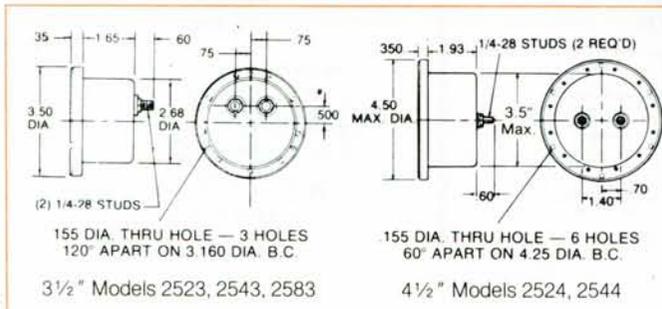
Designed for applications that require high-accuracy readings, Simpson 250° panel meters provide more than double the scale length of the standard 90° or 100° movements. They are self-shielded, permanent magnet, moving coil instruments with non-magnetic pivots and spring-backed jewels. Phenolic cases with glass windows. External front access zero adjust.



3 1/2", 4 1/2" Models 2523, 2524, 2543, 2544 Round Style (Sealed cases)



3 1/2" Models 2123L, 2143L. Same dimension as 3 1/2" Century Series shown on page 11



SPECIFICATIONS

Size	Type and Model Number	DC	AC Rectifier	Scale Length	Accuracy	Pointer
3 1/2"	2523, 2123L	2543, 2143L		4.77" (121 mm)	DC: ± 2% F.S.	Red.
4 1/2"	2524	2544		6.54" (166 mm)	AC: ± 3% F.S.	knife edge

RANGES

250° Meters			3 1/2" Models		4 1/2" Models	
Range	Resistance Approx.	2523 Cat. No.	Price	2123L Cat. No.	Price	2524 Cat. No. Price
0-10	.005 Ω	17976	\$87.45			17986 \$93.00

DC AMMETERS							
0-10	10 Ω	17977	87.60	17914	\$70.50	17987	93.30

DC MILLIVOLTMETERS							
0-50	10 Ω	17977	87.60	17914	\$70.50	17987	93.30

DC MILLIAMMETERS							
0-1	135.0 Ω	17973	83.25	17913	68.25	17983	88.80
0-10	10.0 Ω	17974	83.25			17984	88.80
0-500	0.2 Ω	17975	87.45			17985	93.00
1-0-1	50.0 Ω	17996	83.40			17997	88.65

DC MICROAMMETERS							
0-50	8000 Ω	17970	101.25	17910	82.50	17980	109.80
0-100	4200 Ω	17971	97.80	17911	75.90	17981	103.95
0-500	340 Ω	17972	88.65	17912	70.50	17982	94.20

AC VOLTMETERS Rectifier type							
Range	Impedance Approx.	2543 Cat. No.	Price	2143L Cat. No.	Price	2544 Cat. No.	Price
0-10		17990				17995	114.75
0-30	2000 Ω/volt			17915			
0-150		17978	109.20	17916	88.80	17988	114.75
0-300		17979		17917		17989	115.95

The 0-10 V AC rectifier type voltmeters above may be used with Current Transformer Model 186 to provide 17 common AC ammeter ranges from 0-50 mA to 0-50 A. (See page 21.)

AC AMMETERS					
0-5	0.5 VA			17918	88.80
0-150% load*	Maximum **			17919	88.80

*0.5 amp movement
**Internal transformer burden