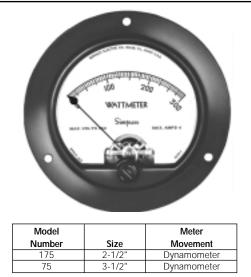
Wattmeters



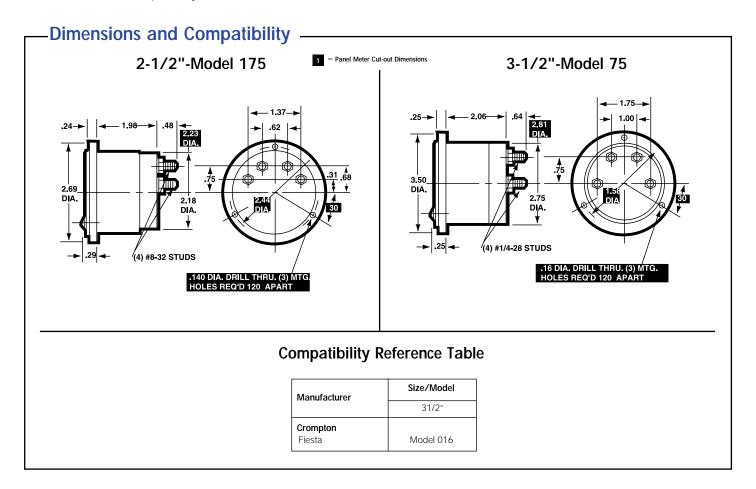


- Calibration for Either Magnetic or Non-Magnetic Panel Mounting
- ±2% F.S. Accuracy (±3% F.S. for Compensated Type)
- Compensated Wattmeters for Low Value Power Measurement
- Wide Angle Visibility
- Two Popular Sizes: 2-1/2", 3-1/2"
- Phenolic Cases With Glass Windows

For industrial or commercial applications, the Round style, single phase wattmeter offers maximum reliability and $\pm 2\%$ of full scale (F.S.) accuracy ($\pm 3\%$ F.S. for Compensated type). With a black phenolic case and glass window for optimum viewing, the Round style meter is a popular replacement. Two popular sizes of 2-1/2" and 3-1/2" (3-1/2" size only for Compensated type) are available to measure from 20 watts to 3000 watts. Due to power dissipation, errors are usually prevalent in standard wattmeters at low values of power. This error is corrected in Simpson's Compensated Wattmeters. The Simpson dynamometer movement is cali-



brated for either magnetic or non-magnetic panels and for a frequency range of 25-125 Hz. The dynamometer movement is air-damped, utilizing the same high quality pivots and jewels as the other fine Simpson meters to support the moving element. This style of meter is ideal for many other electrical functions. See the "Function Reference Table."



Specifications

Accuracy:	±2% F.S; Compensated Meters: ±3% F.S.
Movement:	Dynamometer
Suspension:	Pivot and jewel
Tracking:	±3%
Shielding:	Calibration is unaffected by magnetic panel mounting.
Response Time:	1.5 seconds maximum
Overload (1 sec.):	10 times F.S.
Overload (Continuous):1.5 times F.S.
Repeatability:	2%
Dial:	Sharp clear scale. Each dial arc is calibrated to track the specific type of movement used.

Ordering Information -

Wattmeters Dynamometer Type, Single-Phase

			Model/Size and Catalog Number	
Range	Мах	cimum	2-1/2"	3-1/2"
	Volts	Amps	Model 175	Model 75
0-75	150	1.0	<>	<>
0-150	150	2.0	<>	<>
0-300	150	4.0	<>	10600
0-600	300	4.0	<>	<>
0-750	150	10.0	<>	<>
0-1500	300	10.0	<>	<>
0-3000	300	20.0	<>	<>

Compensated Wattmeters* Accuracy ±3%

The standard wattmeter is suitable 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.

	Maximum		Model/Size and Catalog Number	
Range	Volts	Amps	Model/Size and Catalog Number	
0-20	150	.400	-	<>

Wattmeters calibrated for either magnetic on non-magnetic panels and for a frequency range of 25-125 Hz. <> Available on special order.

Resistance: ±15% **Operating Temperature:** -4°F to +149°F (-20°C to +65°C) Case: High density black phenolic Spade pointer, with black matte finish Pointer: Scale Length: Model 175: 1.60" (40.60mm) Model 75: 2.30" (58.40mm) Net Weight:

Model 175: 9oz (0.26kg) Model 75: 9oz (0.26kg)

Function Reference Table -

For your convenience, the table below list Round models for other electrical monitoring functions and page reference.

Section	Page	
E	17	
E	37	
E	57	
E	77	
	Section E E E E	

- Engineer's Notes		