

Round Style Analog Panel Meters



- **Glass window for optimum viewing**
- **Rugged black plastic case**
- **Black spade-type pointer for easy distant reading**

Specifications

Accuracy:	±2% F.S. (Iron-Vane), ±3% F.S. (Rectifier)
Frequency models:	45-55Hz ±0.3Hz (120V-240V) 55-65Hz ±0.3Hz (120V-240V) 380-420Hz ±1.2Hz (120V-240V)
Wattmeters:	±2% F.S.; Compensated Meters: ±3% F.S.
Movement:	Models 55, 155: Iron-vane, magnetically damped Models 45, 145: Annular, rectifier type Models 85 & 185: small core magnet, self-shielding Models 25, 27, 29, 125: Annular, self-shielding
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.
Case:	High density black plastic
Resistance:	±15%
Operating Temp:	-4°F to +149°F (-20°C to +65°C)
Pointer:	Models 85 & 185: knife edge, black finish All others: spade pointer with black matte finish
Scale Length:	Model 155 & 185: 1.6" (40.6mm) Models 125 & 145: 1.8" (45.7mm) Model 55: 2.3" (58.4mm) Models 25, 27, 45 & 85: 2.5" (63.5mm) Model 29: 3.80" (96.5mm)
Net Weight:	Models 55, 155 & 185: 5oz (0.14kg) Models 85, 125, 145 & 45: 7oz (0.20kg) Models 25 & 27: 8oz (.23kg) Model 29: 11oz (.31kg)

Ordering Information

AC Microammeters Rectifier Type, Self Shielding Movement

Range	Approx. Impedance (ohms)	Model/Size and Catalog Number
		3-1/2" Model 45
0-100	3400	04080

AC Milliammeters, Iron Vane & Rectified Movement

Range	Approx. Impedance (ohms) @ 60 Hz	Model/Size and Catalog Number		
		2-1/2" Model 155	3-1/2" Model 55	4-1/2" Model 45
0-1	600	<>	<>	06820*
0-5	200	<>	<>	06840*
0-10	887.0	<>	05380	<>
0-15	80.0	<>	05400	<>
0-100	717.2	<>	05410	<>
0-150	8.76	<>	35069	<>
0-250	3.1	06080	05420	<>
0-500	.9	<>	05430	<>

* Rectified Models

AC Ammeters, Iron Vane Movement

Range	Approx. Impedance (ohms) @ 60 Hz	Model/Size and Catalog Number	
		2-1/2" Model 155	3-1/2" Model 55
0-1	.213	02100	00950
0-1.5	.105	<>	00960
0-2	.065	02120	00970
0-3	.028	02130	00980
0-5	.008	02140	00990
0-10	.004	02150	01001
0-15	.0025	02160	01010
0-25	.002	02170	01020
0-30	.0015	02180	01030
0-50	.001	02190	01040
0-75	.0002	<>	03432
0-75	.008	02200*	<>
0-100	.008	02210*	01060*
0-150	.008	02220*	01070*
0-200	.008	<>	01080*
0-250	.008	02240*	01090*
0-300	.008	<>	01100*
0-500	.008	02260*	01110*

<> Available on special order.

* These meters require use of an external current transformer from page C4-C6

4-20mA Process Meters, Dial indicates 0-100 Percent

Range	Approx. Impedance (Ohms)	Model/Size and Catalog number 3-1/2" Model 25
4-20	5.0	35022

more >>

Simpson

2-1/2 DIA. Models 125, 1251, 145, 155, & 165

Technical drawing showing side and end views of a flange component with dimensions and specifications.

Side View Dimensions:

- Top Flange Thickness: .24
- Main Body Thickness: 1.39
- Bottom Flange Thickness: .70
- Total Height: 2.69
- Bottom Flange Diameter: 2.22 DIA.
- Bottom Flange Height: 2.18 DIA.
- Bottom Flange Thickness: .29

End View Dimensions:

- Flange Diameter: 2.44 DIA.
- Central Hole Diameter: 1.31
- Mounting Hole Diameter: .30
- Mounting Hole Spacing: 120°

Specifications:

- .16 DIA. DRILL THRU. (3) MTG. HOLES REQ'D 120 APART
- (2) #1/4-28 STUDS

Technical drawing of the Model 25 Process Meter, showing side and end views with dimensions.

Side View Dimensions:

- Overall width: 2.50
- Distance from left face to centerline: 1.31
- Distance from centerline to right face: .70
- Overall height: 3.50 DIA.
- Right face diameter: 2.82 DIA.
- Right face height: 2.75 DIA.

End View Dimensions:

- Outer diameter: 3.16 DIA.
- Inner diameter: 1.50
- Distance between mounting holes: 1.50
- Mounting hole diameter: .16 DIA. DRILL THRU. (3) MTG. HOLES REQ'D 120 APART
- Mounting hole depth: 30

Notes:

- (2) #1/4-28 STUDS

NOTE: "T" model suffix used for Taut-Band movement

Technical drawing of a 3-1/2 inch Model 75 component, showing side and end views with dimensions.

Side View Dimensions:

- Overall length: 2.06
- Overall diameter: 3.50 DIA.
- End flange thickness: .25
- End flange outer diameter: 2.81 DIA.
- End flange inner diameter: .64
- End flange hole diameter: .75
- End flange hole depth: 2.75 DIA.
- End flange hole spacing: .25

End View Dimensions:

- Overall diameter: 3.50 DIA.
- End flange outer diameter: 2.81 DIA.
- End flange inner diameter: .64
- End flange hole diameter: .75
- End flange hole depth: 2.75 DIA.
- End flange hole spacing: .25

Notes:

- (4) #1/4-28 STUDS
- .16 DIA. DRILL THRU. (3) MTG. HOLES REQ'D 120° APART