



DC Voltage Round Style

- $\pm 2\%$ Full Scale Accuracy
- UL Recognized
- Phenolic Case with Glass Windows
- Calibration Not Affected By Steel Mounting
- Distinctive Case Style
- Two Popular Sizes: 2-1/2" and 3-1/2"



Model Number	Size	Meter Movement
125	2-1/2"	Annular
25	3-1/2"	Annular

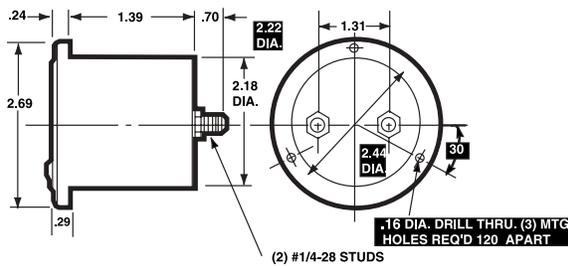
For industrial or commercial applications, the Round style panel meter offers maximum reliability and $\pm 2\%$ full scale (F.S.) accuracy. With a black phenolic case and glass window for optimum viewing, the Round style meter is a popular replacement. All DC units have pivot and jewel suspensions that are spring-loaded for shock protection. The self-shielded meter movement prevents magnetic interaction

between the meter and a steel panel. Two popular sizes of 2-1/2" and 3-1/2" are available to measure various voltage ranges up to 5000 volts with multiplier. High voltage ranges are furnished with external multipliers. This style meter is ideal for many other electrical functions. See the "Function Reference Table."

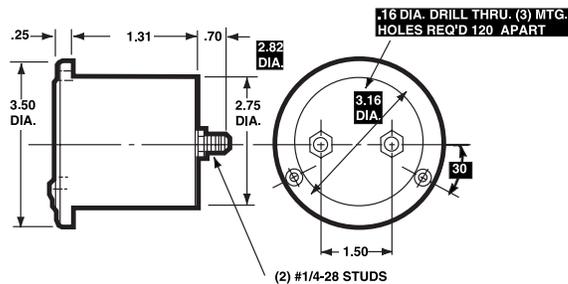
Dimensions and Compatibility

2-1/2"-Models 125

1 = Panel Meter Cut-out Dimensions



3-1/2"-Model 25



Compatibility Reference Table

Manufacturer	Size/Model	
	2-1/2"	3-1/2"
Beede	501	310
Hoyt	17/3	584
Triplett S Series	221-T	—
Weston 200 and 300	201	301

Specifications

Accuracy:	±2% F.S.
Movement:	Annular, self-shielding
Suspension:	Models 25, 125: 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.

Resistance:	±15%
Operating Temperature:	-4°F to +149°F (-20°C to +65°C)

Case:	High density black phenolic
Pointer:	Spade pointer, with black matte finish

Scale Length:	Model 25: 2.5" (63.5mm)
	Model 125: 1.8" (45.7mm)

Net Weight:	Model 25: 8oz (0.23kg)
	Model 125: 7oz (0.20kg)

Ordering Information

DC Millivolt Meters Self-Shielding Meter Movement

Range	Approx. Impedance (Ohms)	Model/Size and Catalog Number	
		2-1/2" Model 125	3-1/2" Model 25
0-50	10.0	06970	06910
0-100	20.0	<>	<>

<> Available on special order.

DC Voltage meters Self-Shielding Meter Movement

Range	Approx. Impedance (Ohms)	Model/Size and Catalog Number	
		2-1/2" Model 125	3-1/2" Model 25
0-1.5	1000 ohms per volt	08850	<>
0-3		<>	07070
0-5		08870	07080
0-8		<>	<>
0-10		08890	07100
0-15		08900	07110
0-25		08910	07120
0-30		08920	07130
0-50		08930	07140
0-100		08940	07150
0-150	08950	07160	
0-200	08960	07170	
0-250	08970	07180	
0-300	<>	07190	
0-500	2000 ohms per volt	<>	07200
0-750		<>	07210
0-1000		<>	07220†
0-1500		<>	<>
0-2000		<>	07240†
0-2500		<>	<>
0-3000		<>	07260†
0-4000		<>	<>
0-5000		<>	07280†

† External multipliers, Model 183, are furnished on 2-1/2" DC meters 750 volts or higher; and on 3-1/2" and 4-1/2" DC meters 1000 volts or higher. All others are self-contained.

<> Available on special order.

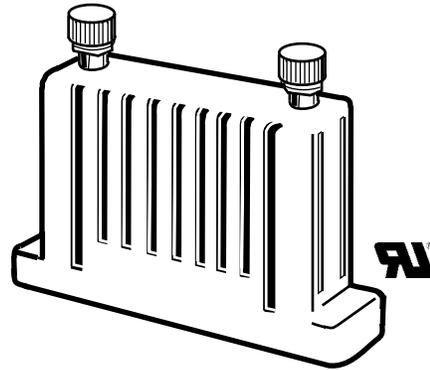
Function Reference Table

For your convenience, the table below lists Round models for other electrical monitoring functions with page number reference.

Function	Section	Page
AC Current	E	17
AC Voltage	E	37
DC Current	E	57
Watts	E	109

Accessories

Model 183 Multiplier



The Model 183 external multiplier enables a voltage meter to monitor up to 5000 DC volts. An external multiplier is used with a 500 DC mA instrument that is scaled proportionally to your measurement range. The model 183 is included with all 1-1/2" meters 500 volts or higher, with all 2-1/2" DC voltage meters 750 volts or higher; and with 3-1/2" and 4-1/2" DC voltage meters 1000 volts or higher. All others are self-contained. Simpson's external multipliers are available for immediate delivery from your local distributor. Other intermediate ranges are available at minimum quantities on special order.

Ordering Information

DC Volts — 2000 Ohms/Volt

Range	Multiplier Resistance Megohms	Meter Sensitivity DC mA	Catalog Number
0-500	1	500	08552
0-750	1.5	500	08553
0-1000	2	500	08554
0-1250	2.5	500	08555
0-1500	3	500	08556
0-2000	4	500	08557
0-2500	5	500	08558
0-3000	6	500	08559
0-4000	8	500	08560
0-5000	10	500	08561