



DC Voltage

Wide-Vue Style

- Wide-Angle Visibility
- UL Recognized
- Optional Bezel Kits
- Phenolic Cases with Clear Acrylic Window
- Four Popular Sizes: 1-1/2", 2-1/2", 3-1/2", and 4-1/2"



Model Number	Size	Meter Movement
1212	1-1/2"	Small Core Magnet
1227	2-1/2"	Annular, Self-Shielding
1327	3-1/2"	Annular, Self-Shielding
1329	4-1/2"	Annular, Self-Shielding

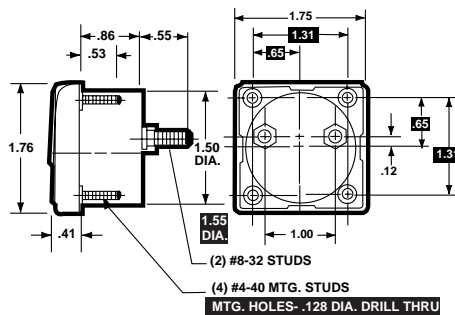
Molded in a black phenolic case, this distinctive style meter with clear acrylic window provides wide-angle visibility and can either be surface-mounted or bezel-mounted (semi-flush mount) with one of Simpson's Wide-Vue bezel kits. They feature excellent readability and Simpson's "stay accurate" performance. Available in four standard sizes from 1-1/2" to 4-1/2", the Wide-Vue is ideal for reliable measurement of DC voltage ranges between 50 millivolts and 1000

volts. High voltage ranges are furnished with external multipliers. All units are guaranteed to $\pm 2\%$ full scale (F.S.) accuracy and meet American National Standards Institute specification ANSI C39.1. Also available are bezel mount kits for an attractive modern appearance and interchangeability with flush or recess type indicators of other popular styles. To obtain more information for a specific function, see the "Function Reference Table."

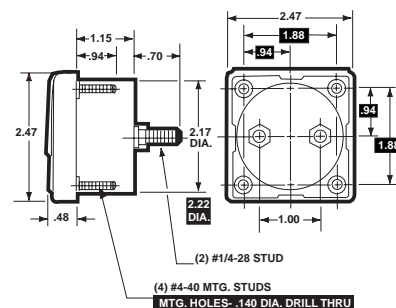
Dimensions and Compatibility

1 = Panel Meter Cut-out Dimensions

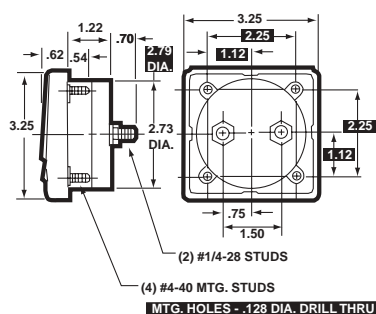
1-1/2"-Model 1212



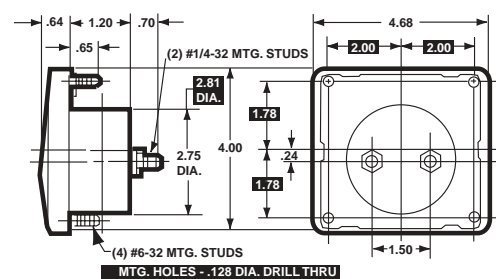
2-1/2"-Model 1227



3-1/2"-Model 1327



4-1/2"-Model 1329



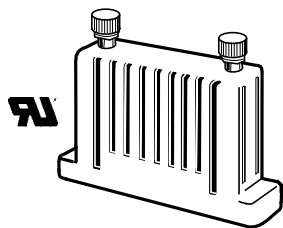
Specifications

Accuracy:	±2% F.S.
Movement:	Models 1227, 1327, 1329: Annular, self-shielding Model 1212: Small core magnet, self-shielding
Suspension:	Models 1212, 1227, 1327, 1329: 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:	Model 1212: Black lance; All other models: Spade with black matte finish
Scale Length:	Model 1212: 1.50" (38.1mm); Model 1227: 2.3" (58.4mm) Model 1327: 3.14" (79.9mm); Model 1329: 3.93" (100mm)
Net Weight:	Model 1212: 2oz (0.06kg); Model 1227: 6oz (0.17kg) Model 1327: 8oz (0.23kg); Model 1329: 9oz (0.26kg)

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 μ A	Catalog Number
0-500	1	500	08552
0-1000	2	500	08554
0-2000	4	500	08557
0-4000	8	500	08560
0-5000	10	500	08561

Wide-Vue Bezel and Illumination Kits

Behind panel bezels are available for Wide-Vue style meters to give your equipment a modern appearance. Bezels are die cast with an attractive black satin finish and are designed for behind panel mounting on material thickness of 1/8" to 3/16". Bezel kits include all mounting hardware and can be ordered with indicators or separately.

Model Number	Catalog Number
1327 (3-1/2")	01253
1329 (4-1/2")	01123

Function Reference Table

For your convenience, the table below lists Wide-Vue models for other electrical monitoring functions and page reference.

Function	Section	Page
AC Current	E	11
AC Voltage	E	31
DC Current	E	51
Watts	E	105

Compatibility Reference Table

Manufacturer	Size/Model			
	1-1/2"	2-1/2"	3-1/2"	4-1/2"
Beede	15	25	35	45
QAS-		2-01, 2-04	3-01, 14	4-01, 4-04
Crompton		223	225	227
Celebrity	—	362	363	364
Challenger		233	235	237
Clearvu				
Hoyt	—	3125	3135	3145
Modutec				
S Series	—	2S-	3S-	4S-
PB Series		2PB*	3PB*	4PB
Triplet				
G Series	—	220-G	320-G	420-G
Weston				
2000 Series	—	2021	2031	2041
Yokogawa				
Big Look	—	250-2 OPT.	250-3 OPT.	250-4 OPT. 1
Horizon		251-210	251-310	251-410

*Modutec uses a three-stud mount.

Ordering Information

DC Millivoltmeters Self Shielding Type Movement

Range	Approx. Impedance (Ohms)	Model/Size and Catalog Number			
		1-1/2" Model 1212	2-1/2" Model 1227	3-1/2" Model 1327	4-1/2" Model 1329
0-50	10.0	07005	07010	07020	07030
50-0-50	20.0	<>	<>	07021	07031

<> Available on special order.

DC Voltage Meters Self Shielding Type Movement

Range	Approx. Impedance (Ohms)	Model/Size and Catalog Number			
		1-1/2" Model 1212	2-1/2" Model 1227	3-1/2" Model 1327	4-1/2" Model 1329
0-5	1000 ohms per volt	09540	09550	09720	09870
0-8		<>	<>	09730	09880
0-10		09541	09560	09740	09890
0-15		09542	09570	09750	09900
0-25		09543	09580	09760	09910
0-30		09544	09590	09770	09920
0-50		09545	09600	09780	09930
0-100		09546	09610	09790	09940
0-150		09547	09620	09800	09950
0-200		<>	09622	09810	09960
0-250		<>	09623	09820	09970
0-300		<>	09630	09830	09980
0-300	2000 ohms per volt	09548	<>	<>	<>
0-500		09549*	09640	09840	09990
0-750		<>	09650*	09850	10000
0-1000		<>	09660*	09860*	10010*

*External multipliers (Model 183) are furnished on 1-1/2" DC meters 500 volts or higher; 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 have self-contained multipliers.

<> Available on special order.