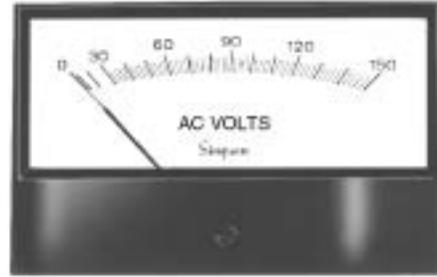




- $\pm 2\%$ of Full Scale Accuracy
- Clean, Uncluttered Look
- Maximum Readability in Minimum Required Height
- Two Popular Sizes: 3-1/2", 4-1/2"
- Calibration Not Affected When Mounted on Steel Panels
- Phenolic Cases with Glass Windows



Model Number	Size	Meter Movement
553	3-1/2"	Iron-Vane
554	4-1/2"	Iron-Vane

Look to the Designer Series for use in today's compact equipment designs - without sacrificing readability. The professionally styled Designer meters offered by Simpson takes up less than 3" of panel height, yet the scale is over 3-1/2" long.

With a black phenolic case and glass window for optimum viewing, the Designer has a red knife-edge pointer, providing excellent readability and $\pm 2\%$ full scale (F.S.) accuracy.

The 3-1/2 inch and 4-1/2 inch sizes feature an iron-vane magnetically damped meter movement which allows the meter to be mounted in steel panels with no effect to its calibration. All meters are calibrated at 60Hz and have a frequency range of 25 through 125Hz. Calibration to 800Hz is available on special order.

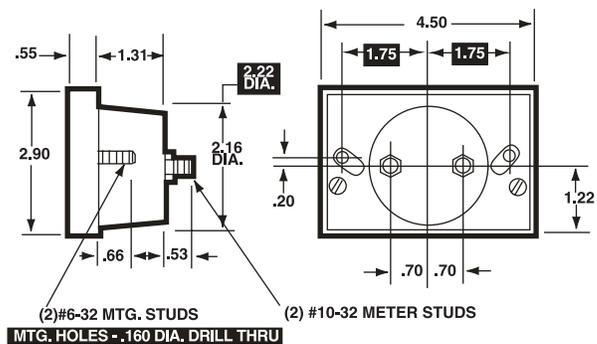
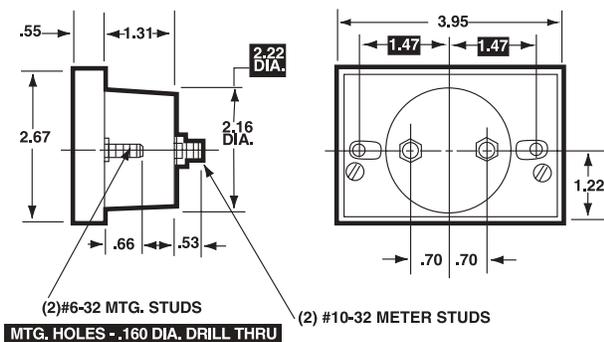
This style is ideal for many other electrical functions. See the "Function Reference Table."

Dimensions and Compatibility

3-1/2"-Model 553

1 = Panel Meter Cut-out Dimensions

4-1/2"-Model 554



Compatibility Reference Table

Manufacturer	Size/Model	
	3-1/2"	4-1/2"
Hoyt	2136	2146
Triplett G Series	330-R	430-R

Specifications

Accuracy:	±2% F.S.
Movement:	Iron-vane, magnetically damped
Suspension:	Pivot and jewel
Tracking:	±3%
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 phenolic
Resistance:	±15%
Operating Temperature:	-4°F to +149°F (-20°C to +65°C)
Pointer:	Red, knife-edge
Scale Length:	Model 553: 2.69" (68.3mm) Model 554: 2.84" (72.1mm)
Net Weight:	Model 553: 6oz (0.17kg) Model 554: 10oz (0.28kg)

Ordering Information

AC Voltage Meters Iron-Vane Type Movement

Range	Approx. Impedance (Ohms) @60Hz	Model/Size and Catalog Number	
		3-1/2" Model 553	4-1/2" Model 554
0-150*	25,000	15060	15130
0-250*	41,166	15061	15131
0-300*	50,000	15062	15132

*Rectifier movements are available on special order.

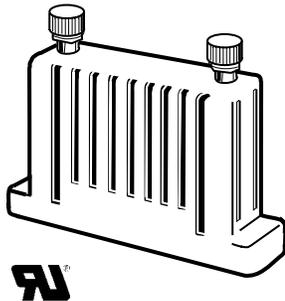
Function Reference Table

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

Function	Section	Page
AC Current	E	21
DC Current	E	61
DC Voltage	E	81

Accessories

Model 183 Multiplier



The Model 183 external multiplier enables an iron-vane type voltage meter to monitor up to 1000AC volts. An external multiplier is used with a 150AC voltmeter that is scaled proportionally to your measurement range. Simpson's AC meters having a range of 500 volts or higher are furnished with the Model 183. Simpson's external multipliers are available for immediate delivery from your local distributor. Other intermediate ranges are available on special order.

Ordering Information AC Volts 166 Ohms/Volt

Range	Approx. Impedance (Ohms) @60Hz	Volt Drop	Meter Volt Drop	Catalog Number
0-500	58,333	350	150	08562
0-600	75,000	450	150	08563
0-750	100,000	600	150	08564
0-1000	141,666	850	150	08565

Engineer's Notes