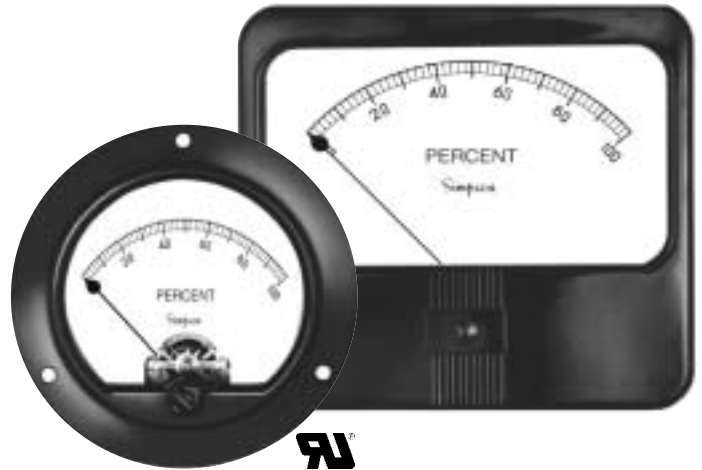




- Two Styles in Two Sizes
- Self-Shielded Meter Movements
- Rugged and Reliable
- Custom Dials
- UL Recognized
- Built to ANSI C39.1 Specifications
- $\pm 2\%$ Accuracy F.S.



Responding to your process control metering needs, Simpson has expanded its panel meter product line to include a 4-20 DCmA current loop, analog meters in two of our most popular styles: Round and Rectangular.

Perfect for many process applications such as temperature, pressure, and flow, these meters all have Simpson's magnetically self-shielded meter movement - where calibration is unaffected by stray magnetic fields or mounting - and are rated at $\pm 2\%$ full scale (F.S.) accuracy. The Round and Rectangular styles feature dials with a 0 to 100% scale.

Model Number	Size	Meter Movement
25	3-1/2"	Annular
27	3-1/2"	Annular
29	4-1/2"	Annular

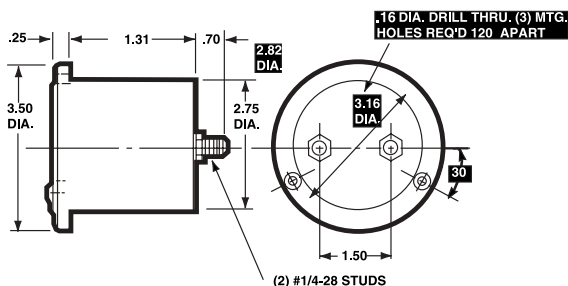
All Simpson panel meters can be tailored to fit your special application requirements with custom dials, etc. Call your

authorized Simpson Service Center or the factory for your 4-20mA meters with your custom dial requirements.

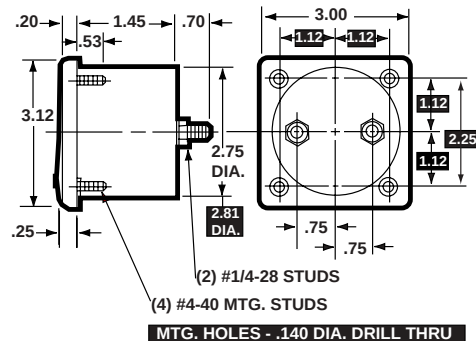
Dimensions and Compatibility

1 = Panel Meter Cut-out Dimensions

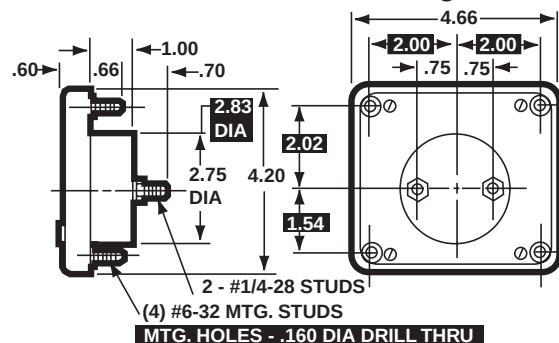
3-1/2"-Model 25-Round



3-1/2"-Model 27-Rectangular



4-1/2"-Model 29- Rectangular



Specifications

Accuracy: $\pm 2\%$ F.S.
Movement: Annular, self-shielding
Suspension: Pivot and jewel
Tracking: $\pm 3\%$
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 phenolic
Resistance: $5\Omega \pm 15\%$
Operating Temperature: -4°F to $+149^{\circ}\text{F}$ (-20°C to $+65^{\circ}\text{C}$)
Pointer: Models 25, 27, 29: Spade pointer, with black matte finish
Scale Length: Model 25: 2.50" (63.5mm)
Model 27: 2.50" (63.5mm)
Model 29: 3.80" (96.5mm)
Net Weight: Models 25, 27: 8oz (.23kg)
Models 29: 11oz (.31kg)

Ordering Information

Size	Style	Model	Catalog No.
3-1/2"	Round	25	35022
3-1/2"	Rectangular	27	35023
4 1/2"	Rectangular	29	35024

Function Reference Table

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

Function	Style	
	Round	Rectangular
AC Current	E17	E19
AC Voltage	E37	E39
DC Current	E57	E59
DC Voltage	E77	E79
Watts	E109	E111

Engineer's Notes