

Solar Digital Pressure Gauges

Model PSP100 Solar Gauge

Model PSP150 Solar Gauge with Transmitter

Palmer PSP Series Solar Digital Process Pressure Gauges offer advanced technology in pressure measurement. Solar power enables the gauge to be care free when installed in various industrial applications, with no need to change batteries.

The PSP150 solar gauge with transmitter requires a current loop to provide the 4-20mA output. If loop power is removed the transmitter will stop sending 4-20mA and the gauge will draw power from it's solar cell. A gauge that will automatically power itself with solar cells when loop power is removed is a handy feature, especially in energy efficient applications.

FEATURES

- IP65 Weatherproof housing
- ASME B40.7 Conformance
- Transducer Based Construction
- Rugged Shock and Vibration Resistant
- User Selector Functions
- < 10 Lux Rating
- Large Display
- Model with 4-20 mA Output



PSP100
Solar Digital Gauge

Models PSP100 • PSP150 Specifications

Case:	4-1/2" (114 mm) diameter. Black Glass Reinforced Thermo Plastic (PBTP). Solid Front Construction
Blow-Out Back:	Blow Out Back Safety Design, IP65 Weatherproof
Window:	Acrylic
Socket/ Wetted Materials:	316SS
Sensor:	Gold Plated Ceramic, Kalrez® (chemically resistant) O-Ring Seal
Connection:	Lower Connected, 1/4" NPT or 1/2" NPT
Accuracy:	0.5% Full Scale ASME 40.7 AA (.25% available, call factory)
Range Availability:	Vacuum to 1,000 psi. (See Range table)
Ambient Temperature:	10° to 140°F (-10° to 60°C)
Display:	LCD with (4) 5/8" high digits
Display Lux Rating:	< 10 Lux (only one foot-candle)
Display Resolution:	1/4%
Display Update:	One second, Two seconds (under 20 Lux)

USER SELECTABLE FUNCTIONS

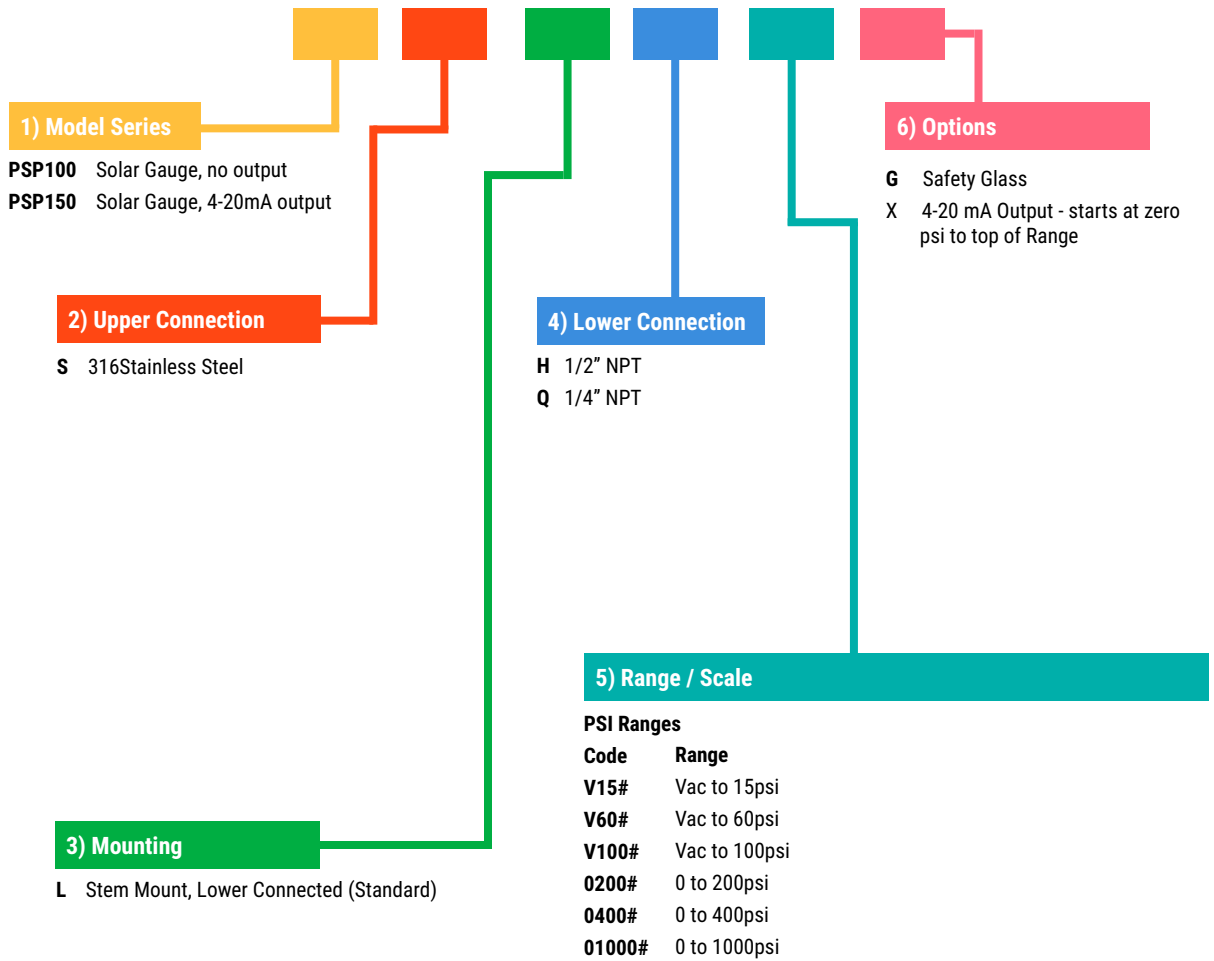
Left/Units: Select from 4 units of measure PSI, kPa, KG/CM2 or Bar with corresponding Vacuum.

Center/Zero: Adjustment ± 4 increments.

Right/Average: Set reading in average of 1, 2, 4, 8 seconds.

Specifications subject to change without notice. Minimum order quantities may apply.

Pressure Gauge Models PSP100 • PSP150 Ordering Guide



Contact Customer Service for Availability and Lead-Time.

Digital Ranges				
Vacuum	PSI	kPa	KG/CM2	Bar
30" HG*	15	100	1	1
30" HG*	60	400	4	4
30" HG*	100	700	7	7
	200	1400	14	14
	400	800	28	28
	1000	7000	70	70
	*Metric Reads	-100 kPa	76 CM/HG	-1 Bar

Example of a typical pressure gauge part number configuration:



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