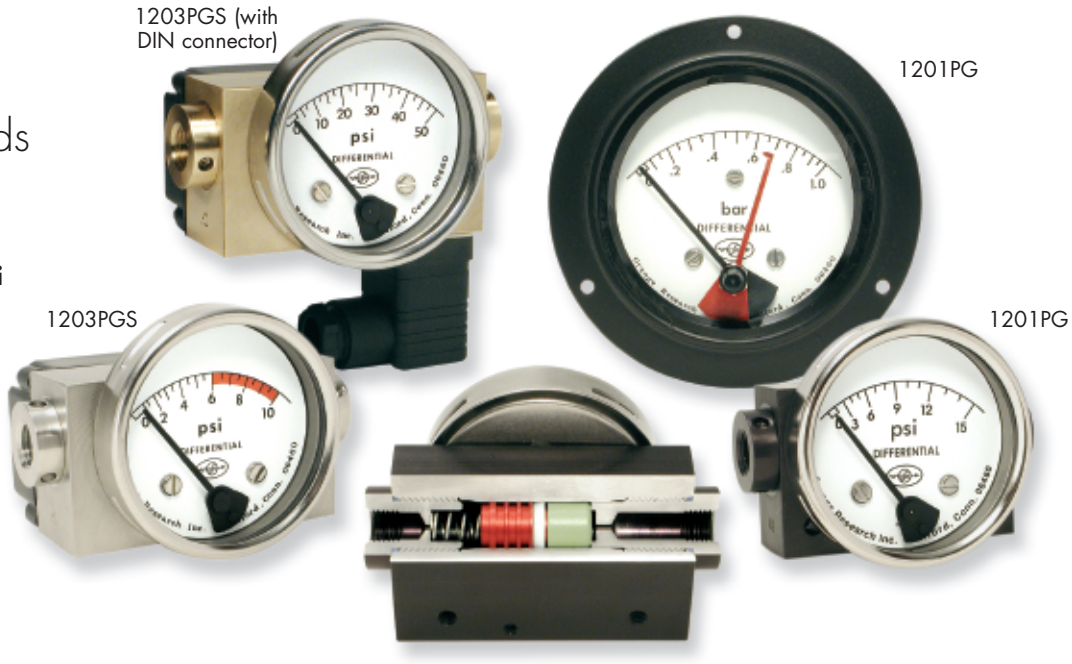
0-5 to 0-1000 psid
Piston Sensor for Liquids



Features

- **Heavy duty — to 10,000 psi line pressure**
- **Weatherproof design and rugged construction**
- **Gauge, switch and transmitter versions**
- **Popular in filtration and flow measurements**

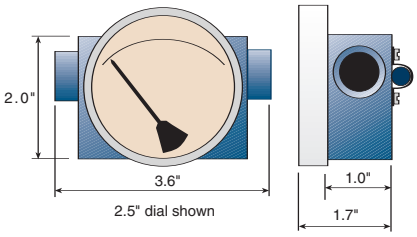
Our piston sensor models are for liquid applications where durability and long life are required. Their simple design has fewer parts to wear out and also keeps the price low.

A magnet attached to the dial pointer shaft follows a spring-loaded sensor magnet that moves as differential pressure changes. In this way the DP displacement of the sensor is translated to our easy-to-read 2.5 to 6-inch diameter dials.

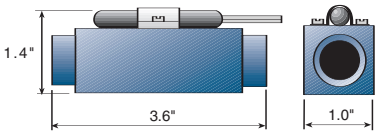
Select from a variety of options such as follower pointers, red arcs and mounting brackets along with switch, relay or transmitter outputs. See page 5 for a complete list of standard options.

Dimensions

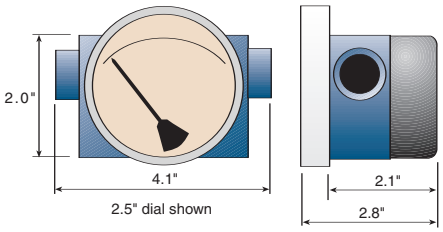
Detailed drawings on website.



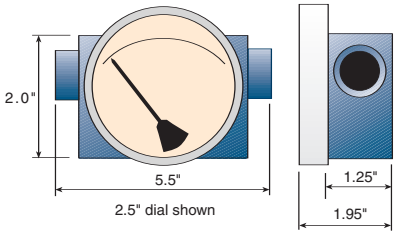
1201PGS



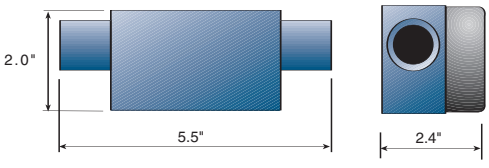
1201PS



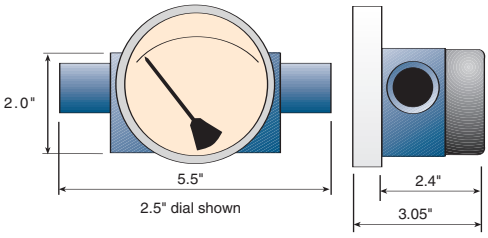
1203PGS



1301PG



1303PS



1303PGS

Specifications (Detailed Specification Sheets on Website)

Model	Differential pressure range	Maximum line pressure/ temperature	Accuracy (F.S.) (Ascending)	Porting (Many porting types available)	Electrical Available**
1201PG/PGS/PS PG = Piston Gauge PGS = Piston Gauge-Switch PS = Piston Switch	0-5 to 0-150 psid (0-0.33 to 0-10 bar)	3000 psig (200 bar) 200°F (93°C)	2%	¼" NPT	1 switch no enclosure
1202PG PG = Piston Gauge	0-5 to 0-150 psid (0-0.33 to 0-10 bar)	5000 psig (340 bar) 200°F (93°C)	2%	¼" NPT	Not available
1203PGS/PS/PGT/PT PGS = Piston Gauge-Switch PS = Piston Switch PGT = Piston Gauge-Transmitter PT = Piston Transmitter	0-5 to 0-150 psid (0-0.33 to 0-10 bar)	5000 psig (340 bar) 200°F (93°C)	2%	¼" NPT	1 or 2 switches 1 relay transmitter Class 1 Div. 2/NEMA 4X For Class 1 Div. 1, see pg. 26
1206PG* PG = Piston Gauge	0-5 to 150 psid (0-0.33 to 0-10 bar)	10,000 psig (680 bar) 200°F (93°C)	2%	¼" NPT	1 or 2 switches, 1 relay NEMA 4X
1301PG PG = Piston Gauge	0-100 to 0-1000 psid (0-7 to 0-67 bar)	5000 psig (340 bar) 200°F (93°C)	2%	¼" NPT	Not available
1303PGS/PS/PGT/PT PGS = Piston Gauge-Switch PS = Piston Switch PGT = Piston Gauge-Transmitter PT = Piston Transmitter	0-100 to 0-1000 psid (0-7 to 0-67 bar)	5,000 psig (340 bar) 200°F (93°C)	2%	¼" NPT	1 or 2 switches 1 relay transmitter Class 1 Div. 2/NEMA 4X For Class 1 Div. 1, see pg. 26
1306PG* PG = Piston Gauge	0-100 to 0-1000 psid (0-7 to 0-67 bar)	10,000 psig (680 bar) 200°F (93°C)	2%	¼" NPT	1 or 2 switches, 1 relay NEMA 4X

*PS and PGS transmitter versions available
**NEMA 4X switch models have a 1/2 inch NPT conduit port as standard. A DIN 43650A-PG11 with mating connector is optional, rated IP65 & NEMA 4X

How to Order

Select from each of the applicable categories to construct a model number. Use the model number when ordering or obtaining additional information and pricing from Orange Research or your local distributor.
Reordering? You must supply the Part Number from your instrument label.

Sample Model Number

1201PGS – 1A – 2.5B – A 0-5 psid, 1, 3, E

1201PGS	–	1A	–	2.5B	–	A	0-5 psid	,	1, 3, E
Model		**Pressure Body**		**Dial Case**		**Switch**	**Range**		**Options (more on pg. 5)**
1201PG 1201PGS 1201PS 1202PG 1203PS 1203PGS 1206PG 1301PG 1303PS 1303PGS 1306PG ***More models above***		***In-line ports:*** 1A = aluminum 1C = 316 stainless steel 1E = brass ***Change "1" above to "4" for back ports; to "5" for bottom ports*** ***Back/bottom ports N/A on 1203 or 1300 series; Brass N/A on 1300 series***		2.5B = 2.5" basic 3.5B = 3.5" basic 4.5B = 4.5" basic 6B = 6.0" basic ***Change "B" to "F" above for flanged dial case***		A = SPST, N.O. B = SPST, N.C. C = SPDT A-A = 2 ea. - A B-B = 2 ea. - B C-C = 2 ea. - C R2 = relay T1 = transmitter	0-5, 0-8, 0-10, 0-15, 0-20, 0-25, 0-30, 0-35, 0-40, 0-50, 0-60, 0-80, 0-100, 0-125, 0-150 psid ***1300 series ranges to 1000 psid***		1 = ½" NPT 2 = plastic lens 3 = liquid filled (glycerine) 4 = follower pointer 5 = Teflon coated magnet/spring 6 = red arc (specify range) 7 = dual scale (specify both) 8 = high temperature Special Seals (Buna-N standard): E = EPDM V = Viton F = Fluorosilicone T = Teflon