1500 & 1800 SERIES



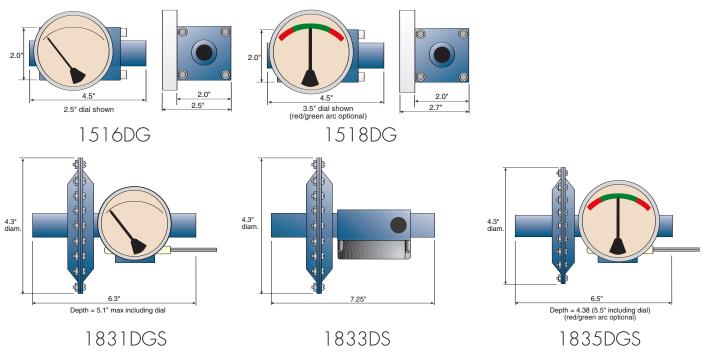
Select these diaphragm sensor models where low differential pressures exist. The popular 1516 model measures from 0-1 psid up to 0-50 psid. Our 1800 series models include our most sensitive diaphragm which can measure from 0-5" H_2O to 0-8 psid. We also offer compound range models with a zero center.

The diaphragm sensor separates the high and lowpressure ports making them popular for gases as well as liquids. There is no bypass between these ports as with our piston models. As differential pressure changes the diaphragm sensor magnet moves proportionally. This movement is tracked by a pointer magnet, which rotates, relaying the reading onto an easy-to-read 2.5 to 6 inch dial.

Select from a variety of options such as follower pointers, red arcs and mounting brackets along with switch, relay or transmitter outputs. More details on these models can be found on our DP introduction pages 2-5. Electrical details are on pages 26-27.

Dimensions

Detailed drawings on website.



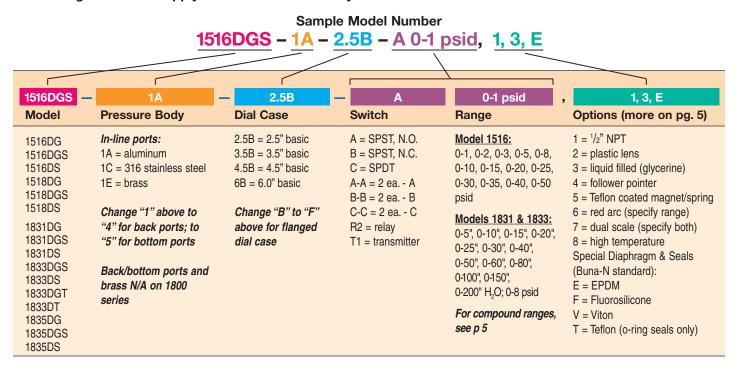
Model	Differential pressure range	Maximum line pressure/temperature	Accuracy (F.S.) (Ascending)	Porting (Many porting types available)	Electrical Available*
1516 DG/DGS/DS DG = Diaphragm Gauge DGS = Diaphragm Gauge-Switch DS = Diaphragm Switch	0-1 to 0-50 psid (0-0.07 to 0-3.3 bar)	1500 psig (100 bar)/200°F (93°C)	2%	¹ /4" NPT	1 or 2 switches Class 1 Div. 2
1518 DG/DGS/DS DG = Diaphragm Gauge DGS = Diaphragm Gauge-Switch DS = Diaphragm Switch	8-0-8 to 50-0-50 psid (0.5-0-0.5 to 3.3-0-3.3 bar)	1500 psig (100 bar)/200°F (93°C)	2%	¹ /4" NPT	1 or 2 switches Class 1 Div. 2
1831 DG/DGS/DS DG = Diaphragm Gauge DGS = Diaphragm Gauge-Switch DS = Diaphragm Switch	0-5" H ₂ O to 0-8 psid (0-125 mm H ₂ O to 0-0.5 bar)	Aluminum body 100 psig (7 bar)/200°F (93°C) Stainless steel body 150 psig (10 bar)/200°F (93°C)	2%	¹ /4" NPT	1 or 2 switches No enclosure
1833 DGS/DS/DGT/DT DGS = Diaphragm Gauge-Switch DS = Diaphragm Switch DST = Diaphragm Switch-Trans. DT = Diaphragm Transmitter	0-5" H ₂ O to 0-8 psid (0-125 mm H ₂ O to 0-0.5 bar)	Aluminum body 100 psig (7 bar)/200°F (93°C) Stainless steel body 150 psig (10 bar)/200°F (93°C)	2%	1/4" NPT	1 or 2 switches 1 relay transmitter Class 1 Div. 2
1835 DG/DGS/DS DG = Diaphragm Gauge DGS = Diaphragm Gauge-Switch DS = Diaphragm Switch	5-0-5" H ₂ O to 8-0-8 psid (125 mm-0-125 mm H ₂ O to 0.5-0-0.5 bar)	Aluminum body 100 psig (7 bar)/200°F (93°C) Stainless steel body 150 psig (10 bar)/200°F (93°C)	2%	¹ /4" NPT	1 or 2 switches No enclosure

Specifications (Detailed Specification Sheets on Website)

*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.**



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