

Mid-West[®] Instrument

Differential Pressure Gauges, Switches & Transmitters



BELLOWS & BOURDON TUBE TYPE: Models 105/106/116 bellows design and Model 109 encapsulated Bourdon tube design provide a simple, compact, and accurate differential pressure indicator. Gauge Housings available in Aluminum, Brass, Carbon Steel and Stainless Steel 316/316L

PISTON TYPE: Differential pressure gauges and switches for use on filters, strainers, pumps etc. Available with one or two hermetically sealed reed switches in SPDT and SPST. Some units also available with 4-20 mA Transmitter. Gauge Housings available in Aluminum, 316/316L Stainless Steel, Aluminum Bronze and Monel



DIAPHRAGM TYPE: Ideally suited for use on dissimilar fluids and wet gas or fluids with a high concentration of solids, etc. Available with one or two hermetically sealed reed switches in SPDT and SPST. Some units also available with 4-20 mA Transmitter. Gauge Housings available in Aluminum, Brass, 316/316L Stainless Steel.

HAZARDOUS LOCATION SWITCHES Switching components are housed under a copper free Aluminum cover. The combination of the gauge body and the cover make up the flame-proof seal. Switches are available with 1 or 2 hermetically sealed reed switches with SPDT, SPST or DPDT relay outputs. 4-20mA Transmitter also available. Wetted parts are Aluminum or Stainless Steel



"O. E. M" INDICATORS & GAUGES Competitively price differential Pressure Indicators, Gauges & Switches for the O.E.M customer. Housings available in Glass reinforced Plastic, Aluminum and Stainless Steel. Working pressure of 300, 1,000 and 3,000 PSIG

FLOW INSTRUMENTATION VERIS Verabar Averaging Pitot Tubes and VERIS Accelabar Flow Meter Mid-West Models 105, 106, 130, 140, and 142 Differential Pressure gauges all available with Flow Dials.



DIFFERENTIAL PRESSURE MANIFOLD:

Three and Five Valve Stainless Steel differential pressure manifolds. 3,000 & 6,000 PSIG Working pressure rated. Max. Temperature rating 200°F. Process Connections: ½" FNPT & ¼" FNPT Available Individually or Direct Mtd. to your DP Gauge.

**PULSATION DAMPENER:**

Model 150 provides infinitely adjustable dampening. Protects against surges and pressure shocks. Available with Brass or Stainless steel bodies.

PRESSURE LIMITING VALVE:

Model 200 pressure limiting valve prevents instrument over-range. Adjustable needle valve dampens pulsation. Available with Brass, Aluminum or Stainless steel bodies.

QUICK REFERENCE GUIDE

Model Number	Sensor Type	Minimum Range	Maximum Range	Accuracy % Full Scale	Maximum Temp. (F)	MWP (PSIG)
105	Bellows	0-10" H2O	0-79.9" H2O	±1/2% or 1%	200°F	500 to 6,000
106	Bellows	0-80" H2O	0-600" H2O	±1/2% or 1%	200°F	500 to 6,000
109	Bourdon Tube	0-15 PSID	0-6000 PSID	±1/2% or 1%	200°F	500 to 6,000
116	Bellows	0-80" H2O	0-600" H2O	±1%	200°F	500 or 1,000
120	Piston	0-5 PSID	0-110 PSID	±2%	200°F	6,000
121	Piston	0-5 PSID	0-110 PSID	±2%	200°F	6,000
122	Piston	0-5 PSID	0-110 PSID	±5%	200°F	5,000
123	Piston	0-150 PSID	0-400 PSID	±2%	200°F	5,000
124	Piston	0-5 PSID	0-400 PSID	±2%	200°F	10,000
107	Diaphragm	0-70" H2O	0-30 PSID	±2%	200°F	300 or 1,000
117	Diaphragm	0-70" H2O	0-30 PSID	±2%	200°F	500
130	Diaphragm	0-5" H2O	0-400" H2O	±5% or 2% (based on range)	200°F	300 or 500
140	Diaphragm	0-25 PSID	0-100 PSID	±2%	200°F	1,500 or 3,000
142	Diaphragm	0-20" H2O	0-25 PSID	±2%	200°F	1,500 or 3,000
522	Diaphragm	0-5 PSID	0-50 PSID	±5%	200°F	1,000
555A	Diaphragm	0-2.0 PSID	0-43 PSID	±5%	200°F	300
6000	Diaphragm 316L S.S.	0-0.25" H2O	0-20 PSID	±2%, 3% & 4% (based on range)	140°F	15 & 30 (based on range)
700	Diaphragm	0-5 PSID	0-300 PSID	±0.50%	175°F	See Bulletin
Hazardous Location Switches						
220	Piston	0-5 PSID	0-100 PSID	±2%	200°F	4,000
240	Diaphragm	0-20" H2O	0-100 PSID	±2%	200°F	1,500
"O. E. M Gauges						
126	Piston	0-5 PSID	0-20 PSID	±5%	200°F	3,000
127	Piston	0-25 PSID	0-100 PSID	±5%	200°F	3,000
146	Diaphragm	0-50" H2O	0-30 PSID	±5%	200°F	1,000
444	Slider Indicator	0-5 PSID	0-25 PSID	±5%	200°F	300
555	Diaphragm	0-2.0 PSID	0-50 PSID	±5%	200°F	300
522	Diaphragm	0-5 PSID	0-50 PSID	±5%	200°F	1,000
FLOW Instrumentation						
Model 300 Delta Tube						
Veris "VERABAR" (Velocity Averaging Flow Sensors)						
Veris "ACCELABAR" (Flow Meter)						
Accessories						
Three & Five Valve S.S. Differential Pressure Manifolds						
Model 150 Pulsation Dampener						
Model 200 Pressure Limiting Valve						
Diaphragm / Chemical Seals						