

# Mid-West<sup>®</sup> 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.



**VERIS**



**DIFFERENTIAL PRESSURE MANIFOLD:**

Three and Five Valve Stainless Steel differential pressure manifolds. 6,000 PSIG Working pressure rated. Temperature rating 200°F. 1/2" FNPT Process Connection. Available individually or direct mounted to your 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 Ascending	Maximum Temperature (F)	Maximum Line Pressure (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
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
555A	Diaphragm	0-2.0 PSID	0-43 PSID	5%	200°F	300
6000	Diaphragm	0-0.25" H2O	0-20 PSID	2%, 3% & 4% (based on range)	140°F	15 & 30 (based on range)
<b>Hazardous Location Switches</b>						
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
<b>"O. E. M Gauges</b>						
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	0-25 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	0-43 PSID	5%	200°F	300
522	Diaphragm	0-5 PSID	0-50 PSID	5%	200°F	1,000
<b>FLOW Instrumentation</b>						
Model 300 Delta Tube						
Veris "VERABAR" (Velocity Averaging Flow Sensors)						
Veris "ACCELABAR" (Flow Meter)						
<b>Accessories</b>						
Three & Five Valve S.S. Differential Pressure Manifolds						
Model 150 Pulsation Dampener						
Model 200 Pressure Limiting Valve						
Diaphragm / Chemical Seals						