

## 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 and highly accurate differential pressure gauge. 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, Aluminum Bronze and Monel



### 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.





### 3 & 5 VALVE DIFFERENTIAL PRESSURE MANIFOLD

Stainless Steel differential pressure manifolds.  
 6,000 PSIG Maximum Working Pressure rated.  
 Temperature rating 200°F.  
 Process Connections: ½" FNPT & ¼" FNPT  
 Available Individually or Direct Mounted 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     | 0-800" 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     | 0-800" H2O    | ±1%                        | 200°F             | 500 or 1,000   |
| 120   | Piston              | 0-5 PSID      | 0-110 PSID    | ±2%                        | 200°F             | 3,000 to 6,000 |
| 121   | Piston              | 0-5 PSID      | 0-110 PSID    | ±2%                        | 200°F             | 3,000 to 6,000 |
| 122   | Piston              | 0-5 PSID      | 0-110 PSID    | ±5%                        | 200°F             | 3,000          |
| 123   | Piston              | 0-150 PSID    | 0-400 PSID    | ±2%                        | 200°F             | 3,000 to 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           | 0-50" H2O     | 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            |
| 700   | 316L S.S. Diaphragm | 0-5 PSID      | 0-300 PSID    | ±0.50%                     | 175°F             | See Bulletin   |
| <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     | 0-30 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          |
| <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                              |                     |               |               |                            |                   |                |