THE MERCOID® SERIES 3200G SMART PRESSURE TRANSMITTER is a microprocessor-based high performance transmitter, which has flexible pressure calibration, push button configuration, and programmable using HART® Communication. The Series 3200G is capable of being configured with the zero and span buttons, a field calibrator is not required for configuration. The transmitter software compensates for thermal effects, improving performance. EEPROM stores configuration settings and stores sensor correction coefficients in the event of shutdowns or power loss. The Series 3200G is FM approved for use in hazardous (Classified) locations. The 100:1 rangeability allows the smart transmitter to be configured to fit any application.

FEATURES/BENEFITS
• Completely configurable using zero/span buttons (no calibrator required)
• Rangeability (100:1)
• High accuracy (±0.075%)
• Automatic sensor temperature compensation
• Fail-mode process function

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Range psi (kPa)</th>
<th>Calibrated Span (Min. to Max.) psi (kPa)</th>
<th>Max. Pressure psi (bar)</th>
<th>LCD Display</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3200G-1-FM-1-1</td>
<td>-14.5 to 21 (-100 to 150)</td>
<td>0.22 to 21 (1.5 to 150)</td>
<td>58 (4)</td>
<td>No</td>
<td>$815.00(b)</td>
</tr>
<tr>
<td>3200G-2-FM-1-1</td>
<td>-14.5 to 217 (-100 to 150)</td>
<td>2 to 217 (15 to 1500)</td>
<td>580 (40)</td>
<td>No</td>
<td>$815.00(b)</td>
</tr>
<tr>
<td>3200G-3-FM-1-1</td>
<td>0 to 725 (0 to 5000)</td>
<td>7.25 to 725 (50 to 5000)</td>
<td>2000 (138)</td>
<td>No</td>
<td>$815.00(b)</td>
</tr>
<tr>
<td>3200G-4-FM-1-1</td>
<td>0 to 3600 (0 to 25000)</td>
<td>36 to 3600 (250 to 25000)</td>
<td>10000 (690)</td>
<td>No</td>
<td>$815.00(b)</td>
</tr>
<tr>
<td>3200G-5-FM-1-1</td>
<td>0 to 8500 (0 to 60000)</td>
<td>87 to 8700 (600 to 60000)</td>
<td>11600 (800)</td>
<td>Yes</td>
<td>$890.00(b)</td>
</tr>
<tr>
<td>3200G-1-FM-1-LCD</td>
<td>-14.5 to 21 (-100 to 150)</td>
<td>0.22 to 21 (1.5 to 150)</td>
<td>58 (4)</td>
<td>Yes</td>
<td>$890.00(b)</td>
</tr>
<tr>
<td>3200G-2-FM-1-LCD</td>
<td>-14.5 to 217 (-100 to 150)</td>
<td>2 to 217 (15 to 1500)</td>
<td>580 (40)</td>
<td>Yes</td>
<td>$890.00(b)</td>
</tr>
<tr>
<td>3200G-3-FM-1-LCD</td>
<td>0 to 725 (0 to 5000)</td>
<td>7.25 to 725 (50 to 5000)</td>
<td>2000 (138)</td>
<td>Yes</td>
<td>$890.00(b)</td>
</tr>
<tr>
<td>3200G-4-FM-1-LCD</td>
<td>0 to 3600 (0 to 25000)</td>
<td>36 to 3600 (250 to 25000)</td>
<td>10000 (690)</td>
<td>Yes</td>
<td>$890.00(b)</td>
</tr>
<tr>
<td>3200G-5-FM-1-LCD</td>
<td>0 to 8500 (0 to 60000)</td>
<td>87 to 8700 (600 to 60000)</td>
<td>11600 (800)</td>
<td>Yes</td>
<td>$1040.00(b)</td>
</tr>
</tbody>
</table>

Note: Contact factory for custom calibration.

SPECIFICATIONS

Service: Compatible gases, steam, liquids or vapors.
Wetted Materials: 316L SS.
Accuracy: ±0.075% FS (@ 20°C).
Rangeability: 100:1 turn down.
Stability: ±0.125% FSO/yr.
Temperature Limits: Process: -40 to 248°F (-40 to 120°C); Ambient: Without LCD -40 to 185°F (-40 to 85°C); With LCD -22 to 176°F (-30 to 80°C).
Thermal Effect: ±0.125% span/32°C.
Power Requirements: 11.9 to 45 VDC.
Output Signal: 4 to 20 mA / HART® Communication.
Response Time: 0.12 seconds.
Damping Time: 0.25 to 60 seconds.
Loop Resistance: Operation: 0 to 1500 Ω; HART® Communication: 250 to 500 Ω.
Electrical Connection: Two 1/2˝ female NPT conduit, screw terminal.
Process Connections: 1/2˝ female NPT.
Display: Optional 5 digit LCD.
Enclosure Rating: NEMA 4X (IP66) and explosion proof for Class I, Div I Groups A, B, C and D.
Weight: 5.5 lb (2.5 kg).
Agency Approvals: ATEX, CE, FM.

HART® is a registered trademark of Hart Communication Foundation.
**SERIES 3200G**

**EXPLOSION-PROOF PRESSURE TRANSMITTER**

**HART®, Push Button Configuration, Rangeability (100:1)**

### MODEL CHART

<table>
<thead>
<tr>
<th>Example</th>
<th>Series</th>
<th>Range</th>
<th>Approval</th>
<th>Process Connection</th>
<th>Electrical Connection</th>
<th>Diaphragm Seal Type</th>
<th>Mounting Flange Rating</th>
<th>Extension Length</th>
<th>Diaphragm Material</th>
<th>Capillary Length</th>
<th>Fill Fluid</th>
<th>Display Mode</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3200G-2</td>
<td>3200G</td>
<td>-14.5 to 21 psig (factory set 0 to 21 psig)</td>
<td>FM ATEX WP</td>
<td>1/2” female NPT</td>
<td>1/2” female NPT</td>
<td>1 extended diaphragm seal direct mount</td>
<td>ANSI class 300#</td>
<td>0 to 60 seconds</td>
<td>316L SS diaphragm</td>
<td>2” to 50 m</td>
<td>Silicon oil (-40 to 400°F)</td>
<td>5 digit LCD</td>
<td>$1500.00</td>
</tr>
</tbody>
</table>

- Items are subject to Schedule B discounts.
- Items are net priced and are not subject to any discount.

### FEATURES

- Complete DD library
- Includes USB HART modem
- USB 1.1 and 2.0 compatible
- Self powered modem

### CUSTOM CALIBRATION VALUES

- Primary Units
  - in H2O, ft H2O, mm H2O, in Hg, psig, g/cm², kg/cm², Pa, kPa, bar, mbar, Torr, Atm, mm Hg

- Lower Range Limit
  - 4 mA value

- Damping Time
  - 0 to 60 seconds

- Display Mode
  - Primary unit, %, mA, rotate

### MODEL DEVCOM2000

**HART® COMMUNICATION PROTOCOL SOFTWARE**

Includes USB HART Modem

**SPECIFICATIONS**

- **HART® Communicator Software**
  - **DD Library**: Included.
  - **Generic DD**: Included.

- **USB HART MODEM**
  - **Material**: High strength ABS plastic.
  - **Temperature Limits**: 0 to 50°C (32 to 122°F).
  - **Storage Temperature**: -40 to 85°C (-40 to 185°F).
  - **Humidity**: 0 to 99% (non-condensing).
  - **HART® Cable Length**: ~4 (1.2 m).

- **HART® Cable Connectors**: Mini-grabber.
- **USB Cable Length**: 18” (0.5 m).
- **USB Cable Connector**: USB Type A.
- **USB**: USB 1.1, USB 2.0.
- **Power**: USB port provides power to unit.
- **Current Draw**: 20 mA.
- **Output**: 600 mVpp.
- **Leakage**: < 10 uA.
- **Isolation Voltage**: 1500 VDC.
- **HART®**: HART® 4, HART® 5, HART® 6, HART® 7, HART® Physical Layer Spec.
- **HCF SPEC-54**
- **Weight**: 3 oz (85 g).
- **Agency Approval**: CE.

**HART™ is a registered trademark of Hart Communication Foundation**

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