The Mercoid® Series 3200G Explosion-Proof 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

**APPLICATIONS**
- Water and wastewater
- Chemical and petrochemical
- Pulp and paper
- Oil and gas
- Food and beverage

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**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 s.
- **Damping Time:** 0.25 to 60 s.
- **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.

---

**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</td>
</tr>
<tr>
<td>3200G-2-FM-1-1</td>
<td>-14.5 to 217 (-100 to 1500)</td>
<td>2 to 217 (15 to 1500)</td>
<td>580 (40)</td>
<td>No</td>
<td>$815.00</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</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</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>$970.00</td>
</tr>
<tr>
<td>3200G-1-FM-1-1-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>$892.50</td>
</tr>
<tr>
<td>3200G-2-FM-1-1-LCD</td>
<td>-14.5 to 217 (-100 to 1500)</td>
<td>2 to 217 (15 to 1500)</td>
<td>580 (40)</td>
<td>Yes</td>
<td>$892.50</td>
</tr>
<tr>
<td>3200G-3-FM-1-1-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>$892.50</td>
</tr>
<tr>
<td>3200G-4-FM-1-1-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>$892.50</td>
</tr>
<tr>
<td>3200G-5-FM-1-1-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>$1047.50</td>
</tr>
</tbody>
</table>

Note: Contact factory for custom calibration.

(Items are subject to Schedule B discounts.)

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-630</td>
<td>Stainless steel angle type bracket with SS bolts</td>
<td>$92.00</td>
</tr>
<tr>
<td>A-631</td>
<td>Stainless steel flat type bracket with SS bolts</td>
<td>92.00</td>
</tr>
<tr>
<td>BBV-0N</td>
<td>2-valve block manifold</td>
<td>97.00</td>
</tr>
<tr>
<td>DevCom2000</td>
<td>HART® Communication Protocol Software</td>
<td>1545.00</td>
</tr>
</tbody>
</table>

(Items are subject to Schedule B discounts.)

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HART® is a registered trademark of Hart Communication Foundation.
**EXPLOSION-PROOF PRESSURE TRANSMITTER**

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

**FEATURES/BENEFITS**
- Self powered modem
- USB 1.1 and 2.0 compatible
- Includes USB HART modem

**HART® COMMUNICATION PROTOCOL SOFTWARE**
Includes USB HART Modem

The Model DEVCOM2000 HART® Communication Protocol Software turns your PC into a full-featured HART® communicator. Now it is possible to configure transmitters and control valves at the desktop or in the field. DevCom2000 uses device descriptions (DDs) to retrieve data that is stored in the memory of smart field devices. This software is a simple, reliable and secure method to add new measurement values to transmitters and control valves at the desktop or in the field. DevCom2000 uses device descriptions (DDs) to retrieve data that is stored in the memory of smart field devices.

**CUSTOM CALIBRATION VALUES**

<table>
<thead>
<tr>
<th>Primary Units</th>
<th>Upper Range Limit</th>
<th>Lower Range Limit</th>
<th>Damping Time</th>
<th>Display Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>lbs/ft², bar, mm wc, in Hg, psig, g/cm², kg/cm², Pa, kPa, bar, mbar, Torr, Atm, mm Hg</td>
<td>20 mV/ma value</td>
<td>4 mV/ma value</td>
<td>0 to 60 seconds</td>
<td>Primary unit, %, mA, rotate</td>
</tr>
</tbody>
</table>

**MODEL CHART**

- Items are net priced and are not subject to any discount.
- Items are subject to Schedule B discounts.
- n: Items are scheduled for future release.
- b: Items are not available.

**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:**
    - D2: 316L SS housing (only available with WP approval)
    - H: Custom calibration
    - P: 5 digit LCD
    - S: 316 SS housing (only available with WP approval)
  - **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: 500 mVpp.
  - Leakage: < 10 µA.
  - Isolation Voltage: 1500 VDC.
  - **HART® Cable Connectors:** Mini-grabber.

**MODEL CHART**

- Items are subject to Schedule B discounts.

**CALIBRATION SERVICES AVAILABLE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DevCom2000</td>
<td>HART® Communicator Software</td>
<td>$1545.00</td>
</tr>
</tbody>
</table>

**MARKET SEGMENTS**

- ◦ Food and beverage
- ◦ Pulp and paper
- ◦ Oil and gas
- ◦ Chemical and petrochemical
- ◦ Water and wastewater

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