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

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

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.
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.

Note: Contact factory for custom calibration.

ACCESSORIES

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

HART® is a registered trademark of Hart Communication Foundation.
**Single Pressure Transmitters**

**HART® COMMUNICATION PROTOCOL SOFTWARE**

Includes USB HART Modem

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**MODEL DEVCOM2000**

**HART® COMMUNICATION PROTOCOL SOFTWARE**

Includes USB HART Modem

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**MODEL CHART**

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

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**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>in w.c., ft w.c., mm w.c., in Hg, psig, g/cm², kg/cm², Pa, kPa, bar, mbar, Torr, Atn, mm Hg</td>
<td>20 mA value</td>
<td>4 mA value</td>
<td>0 to 60 seconds</td>
<td>Primary unit, %, mA, rotate</td>
</tr>
</tbody>
</table>

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**FEATURES/BENEFITS**

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

**APPLICATIONS**

- For use with pressure transmitters and control-values in:
  - Water and wastewater
  - Chemical and petrochemical
  - Oil and gas
  - Pulp and paper
  - Food and beverage

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**SERIES 3200G | MERCOID® BY DWYER**

**EXPLOSION-PROOF PRESSURE TRANSMITTER**

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

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**SPECIFICATIONS**

| HART® Communicator Software | DD Library: Included.
|-----------------------------|-----------------------------

**HART® Cable Connectors:** Mini-grabber.
**USB Cable Length:** 18” (0.5 m).
**USB Cable Connector:** USB Type A.
**Power:** USB port provides power to unit.
**Current Draw:** 20 mA.
**Output:** 600 mVpp.
**Leakage:** < 10 uA.
**Isolation Voltage:** 1500 VDC.

**HART® Field Device**

**Windows®-Based PC**

**USB HART Modem**

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

Windows®, Windows NT®, and Windows Vista® are registered trademarks of Microsoft Corporation.

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**Agency Approvals:** CE.