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

**SPECIFICATIONS**
- **Service:** Compatible gases, steam, liquids or vapors.
- **Wetted Materials:** 316L SS.
- **Accuracy:** ±0.075% FS (@ 20°C).
- **Rangeability:** 100:1.
- **Stability:** ±0.125% FS/year.
- **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:** CE, FM, ATEX.

**ACCESSORIES**
- **A-630,** Stainless steel angle type bracket with SS bolts
- **A-631,** Stainless steel flat type bracket with SS bolts
- **DevCom2000,** HART® Communication Protocol Software

**NEW PRODUCT!**

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

**Example**  3200G 2  FM  1 LES S2 A1 05 S 2 05 LCD  3200G-2-FM-3-1-LESS2A105S2-05-LCD

**Series**  3200G  3

<table>
<thead>
<tr>
<th>Range</th>
<th>Upper Range Limit</th>
<th>Lower Range Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>-14.5 to 21 psig</td>
<td>0 to 725 psig</td>
</tr>
<tr>
<td>2</td>
<td>-14.5 to 217 psig</td>
<td>0 to 3600 psig</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>0 to 8500 psig</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
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**Approval**  FM ATEX WP

FM approved
ATEX approved
NEMA 4X (IP66) [Only available with 316 SS housing]

**Process Connection**  1  3

1/2” female NPT
Diaphragm seal

**Electrical Connection**  1

1/2” female NPT

**Diaphragm Seal Type**

<table>
<thead>
<tr>
<th>Series</th>
<th>Range</th>
<th>Approval</th>
<th>Process Connection</th>
<th>Electrical Connection</th>
<th>Diaphragm Connection</th>
<th>Capillary Type</th>
<th>Mounting Flange</th>
<th>Mounting Flange Rating</th>
<th>Rating</th>
<th>Extension Length</th>
<th>Diaphragm Material</th>
<th>Fill Fluid</th>
<th>Capillary Length</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>3200G Direct Mount</td>
<td>-14.5 to 21 psig</td>
<td>FM approved</td>
<td>1/2” female NPT</td>
<td>1</td>
<td>00</td>
<td>S1</td>
<td>A1</td>
<td>ANSI class 150#</td>
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<td></td>
<td>LM520800A</td>
<td>Silicon oil</td>
<td>XX</td>
<td>LCD 5 digit LCD</td>
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<tr>
<td>3200G Capillary Type</td>
<td>-14.5 to 217 psig</td>
<td>ATEX approved</td>
<td></td>
<td></td>
<td>05</td>
<td>S2</td>
<td>A2</td>
<td>ANSI class 300#</td>
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<td></td>
<td>LM520855A</td>
<td>316 SS housing</td>
<td>00</td>
<td>SSH 316 SS housing</td>
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<tr>
<td>Extended Diaphragm Seal</td>
<td>0 to 8500 psig</td>
<td>NEMA 4X (IP66) [Only available with 316 SS housing]</td>
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<td></td>
<td>10</td>
<td>S3</td>
<td>D1</td>
<td>DIN PN 10/16</td>
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<td>LM520821A</td>
<td>Tantallum</td>
<td>15</td>
<td>NIST calibration</td>
</tr>
</tbody>
</table>

**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
- **Upper Range Limit**: 20 mA value
- **Lower Range Limit**: 4 mA value
- **Damping Time**: 0 to 60 seconds
- **Display Mode**: Primary unit, %, mA, rotate

④ Items are subject to Schedule B discounts.