**Intrinsically Safe Pressure Transmitter**

*For Use In Hazardous Locations*

The Series IS626 Intrinsically Safe Pressure Transmitter converts pressure into a standard 4 to 20 mA output signal. The Series IS626 can be used to accurately measure compatible gases and liquids compatible with its 316/316L stainless steel wetted parts. Series IS626 full-scale accuracy is 0.25%. Designed for industrial environments with a NEMA 4X (IP66) housing, this transmitter resists most effects of shock and vibration. Models are available with a 3□ cable or M-12 4 pin connection.

The IS626 is UL listed for use in Hazardous (Classified) Locations. The protection method is by Intrinsic Safety, “ia”. It was investigated by UL under UL Standard 913 Sixth Edition and CSA Standard No. 157-92.

**APPLICATIONS**

Monitoring pressure in hazardous environments

**SPECIFICATIONS**

- **Service:** Compatible gases and liquids.
- **Wetted Materials:** Type 316, 316L SS.
- **Accuracy:** 0.25% full-scale; Absolute range: 0.5% full-scale (includes linearity, hysteresis, and repeatability).
- **Temperature Limit:** 0 to 176°F (-18 to 80°C).
- **Compensated Temperature Range:** 0 to 176°F (-18 to 80°C).
- **Thermal Effect:** ±0.02% FS/°F (includes zero and span).
- **Pressure Limits:** See Pressure Range Table.
- **Power Requirements:** 10 to 28 VDC.
- **Output Signal:** 4 to 20 mA.
- **Response Time:** 50 ms.
- **Loop Resistance:** 0 - 900 Ω max.
- **Current Consumption:** 38 mA (max).
- **Electrical Connections:** 3 ft cable or 4-pin M-12 connector.
- **Process Connection:** 1/4" male or female NPT and BSPT.
- **Enclosure Rating:** NEMA 4X (IP66).
- **Mounting Orientation:** Mount in any position.
- **Weight:** 8.9 oz (252 g).
- **Agency Approvals:** CE, cUL and UL Intrinsically Safe to UL Standard 913.

For use in Hazardous (Classified) Locations:

- Class I Div. 1 Groups A,B,C,D
- Class II Div. 1 Groups E,F,G
- Class III Div. 1

**Temperature Code:** T4 @ 80°C ambient

Install in accordance with control drawing 01-700797-00.

**WARNING** To prevent ignition of flammable or combustible atmospheres, disconnect power before servicing. Use with approved safety barriers using entity evaluation.

**OPTION**

For NIST traceable calibration certificate, add suffix -NIST to model numbers. Example: IS626-00-GH-P1-E1-S1-NIST.

**ACCESSORIES**

- A-295, Female four pin M-12 to cable gland connector
- A-231, 16’ (5 m) shielded cable with 4 pin female M-12 connection
- MTL5041, intrinsically safe galvanic isolator
- MTL7706, intrinsically safe zener barrier

---

**Pressure Range Table**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Maximum Pressure (psig)</th>
<th>Over Pressure (psig)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS626-00-GH-P1-E1-S1</td>
<td>15 psig</td>
<td>30</td>
<td>150</td>
</tr>
<tr>
<td>IS626-07-GH-P1-E1-S1</td>
<td>15 psig</td>
<td>30</td>
<td>150</td>
</tr>
<tr>
<td>IS626-08-GH-P1-E1-S1</td>
<td>30 psig</td>
<td>60</td>
<td>300</td>
</tr>
<tr>
<td>IS626-09-GH-P1-E1-S1</td>
<td>50 psig</td>
<td>100</td>
<td>500</td>
</tr>
<tr>
<td>IS626-10-GH-P1-E1-S1</td>
<td>100 psig</td>
<td>200</td>
<td>500</td>
</tr>
<tr>
<td>IS626-11-GH-P1-E1-S1</td>
<td>150 psig</td>
<td>300</td>
<td>750</td>
</tr>
<tr>
<td>IS626-12-GH-P1-E1-S1</td>
<td>200 psig</td>
<td>400</td>
<td>1000</td>
</tr>
<tr>
<td>IS626-13-GH-P1-E1-S1</td>
<td>300 psig</td>
<td>600</td>
<td>1500</td>
</tr>
<tr>
<td>IS626-14-GH-P1-E1-S1</td>
<td>500 psig</td>
<td>1000</td>
<td>2500</td>
</tr>
<tr>
<td>IS626-15-GH-P1-E1-S1</td>
<td>1000 psig</td>
<td>2000</td>
<td>5000</td>
</tr>
<tr>
<td>IS626-16-GH-P1-E1-S1</td>
<td>1500 psig</td>
<td>3000</td>
<td>5000</td>
</tr>
</tbody>
</table>

**Note:**
- Absolute pressure ranges are not UL approved.
- For optional M-12 4 pin electrical connection change E1 to E6.

**CONTACT US**

<table>
<thead>
<tr>
<th>U.S.</th>
<th>U.K.</th>
<th>A.U.</th>
<th>China</th>
</tr>
</thead>
<tbody>
<tr>
<td>219/879-8000</td>
<td>(+44) (0)1494-461707</td>
<td>(+61) (0) 2 4272 2055</td>
<td>+852-23181007</td>
</tr>
</tbody>
</table>