Intrinsically Safe Differential Pressure Transmitter
For Hazardous Zone Pressure and Flow Applications

The ISDP Differential Pressure Transmitter provides a 4-20 mA process output, a robust NEMA 4X enclosure, plus a large LCD display that can be programmed to read in pressure, velocity or flow. The ISDP offers simplified programming via a Menu key that enables the user to select: security level; English or Metric engineering units; pressure, velocity or flow operation, K-factor for use with various Pitot tubes and flow sensors, circular or rectangular duct size for volumetric flow operation plus many more. The Series ISDP Differential Pressure Transmitter is powered on its two wire loop with 10-35 VDC via its integral M-12 four pin male connector. The ISDP provides a 0.5% full scale accuracy on ranges from 0.25 in. w.c. to 100 in. w.c. as well as bi-directional models up to 10 in. w.c. These features make the Series ISDP Differential Pressure Transmitter the ideal instrument for monitoring pressures or air flows in hazardous zones having a Class I Div. I Groups A, B, C, D; Class II Div. I Groups E, F, G; Class III Div. I ratings.

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
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<tbody>
<tr>
<td>ISDP-002</td>
<td>0 - 0.25 in w.c.</td>
</tr>
<tr>
<td>ISDP-004</td>
<td>0 - 1 in w.c.</td>
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<tr>
<td>ISDP-006</td>
<td>0 - 5 in w.c.</td>
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<tr>
<td>ISDP-007</td>
<td>0 - 10 in w.c.</td>
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<tr>
<td>ISDP-008</td>
<td>0 - 25 in w.c.</td>
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<tr>
<td>ISDP-009</td>
<td>0 - 50 in w.c.</td>
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<tr>
<td>ISDP-010</td>
<td>0 - 100 in w.c.</td>
</tr>
<tr>
<td>ISDP-012</td>
<td>-0.25 / +0.25 in w.c.</td>
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<tr>
<td>ISDP-014</td>
<td>-1.0 / +1.0 in w.c.</td>
</tr>
<tr>
<td>ISDP-015</td>
<td>-2.5 / +2.5 in w.c.</td>
</tr>
<tr>
<td>ISDP-016</td>
<td>-5.0 / +5.0 in w.c.</td>
</tr>
<tr>
<td>ISDP-017</td>
<td>-10 / +10 in w.c.</td>
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</tbody>
</table>

### Accessory Options

- A-231, 16’ (5 m) Shielded Cable with 4 Pin Female M-12 Connection
- A-468, 4.9’ (1 m) Shielded Cable with 4 Pin Female M-12 Connection
- A-487, 9.8’ (3 m) Shielded Cable with 4 Pin Female M-12 Connection
- A-488, 33’ (10 m) Shielded Cable with 4 Pin Female M-12 Connection
- A-295, Female 4 Pin M-12 to Cable Gland Connector
- MTL5041, Intrinsically Safe Galvanic Isolator
- MTL7706, Intrinsically Safe Zener Barrier
- A-438, Surface Mounting Brackets

**Model List**

- ISDP-002: 0 - 0.25 in w.c.
- ISDP-004: 0 - 1 in w.c.
- ISDP-006: 0 - 5 in w.c.
- ISDP-007: 0 - 10 in w.c.
- ISDP-008: 0 - 25 in w.c.
- ISDP-009: 0 - 50 in w.c.
- ISDP-010: 0 - 100 in w.c.
- ISDP-012: -0.25 / +0.25 in w.c.
- ISDP-014: -1.0 / +1.0 in w.c.
- ISDP-015: -2.5 / +2.5 in w.c.
- ISDP-016: -5.0 / +5.0 in w.c.
- ISDP-017: -10 / +10 in w.c.

**Accessories**

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**Contact Information**