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FEATURES
- Configurable using zero/span buttons (no calibrator required)
- Rangeability (100:1)
- High accuracy (±0.075%)
- Automatic sensor temperature compensation
- Fail-mode process function
- Selectable engineering units

APPLICATIONS
- Flow measurement
- Level monitoring
- Filter or pump differential pressure
- Critical process monitoring

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# Differential Pressure Transmitters

**Primary Units**

<table>
<thead>
<tr>
<th>Upper Range Limit</th>
<th>Lower Range Limit</th>
<th>Output</th>
<th>Damping Time</th>
<th>Display Mode</th>
<th>Display Units</th>
<th>Engineering Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 mA value</td>
<td>4 mA value</td>
<td>Linear or square root</td>
<td>0 to 60 seconds</td>
<td>Unit, %, mA, rotate</td>
<td>Primary unit or Engineering unit</td>
<td>Volumetric Flow Units</td>
</tr>
</tbody>
</table>

**Custom Calibration Values**

- **Primary Units**: in H₂O, ft, H₂O, mm H₂O, in Hg, psig, g/cm², kg/cm², MPa, Pa, kPa, bar, mbar, Torr, Atm, mm Hg
- **Upper Range Limit**: 20 mA value
- **Lower Range Limit**: 4 mA value
- **Output**: Linear or square root
- **Damping Time**: 0 to 60 seconds
- **Display Mode**: Unit, %, mA, rotate
- **Display Units**: Primary unit or Engineering unit

**Engineering Units**:

- **Volumetric Flow Units**
  - US gal/s, US gpm, US gal/hr, US gpd, imp gal/s, imp gpm, imp gal/hr, imp gpd, l/s, l/min, l/hour, ft³/s, ft³/min, ft³/h, ft³/day, m³/s, m³/min, m³/hr, m³/day, normal l/hr, normal m³/hr, standard ft³/min, barrels/s, barrels/min, barrels/hr, barrels/day

**Mass Flow Units**

- g/s, g/min, g/hr, kg/s, kg/min, kg/hr, kg/day, metric ton/min, metric ton/hour, metric ton/day, lb/s, lb/min, lb/hr, lb/day, short ton/min, short ton/hr, short ton/day, long ton/hr, long ton/day

**Volume Units**

- gallons, liters, imp gallons, m³, barrels, bushels, yd³, ft³, in³, bbl liq, normal cubic meter, normal liter, standard cubic feet, hektoliters

**Engr. Upper Range Limit**: Engr. upper value

**Engr. Lower Range Limit**: Engr. lower value

**Engr. Function**: Linear or square root

---

**Example**

<table>
<thead>
<tr>
<th>Series</th>
<th>Range</th>
<th>Approval</th>
<th>Process Connection</th>
<th>Electrical Connection</th>
<th>Diaphragm Seal Type</th>
<th>Mounting Flange</th>
<th>Rating</th>
<th>Extension Length</th>
<th>Diaphragm Material</th>
<th>Fill Fluid</th>
<th>Capillary Length High Side</th>
<th>Capillary Length Low Side</th>
<th>Options</th>
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<tbody>
<tr>
<td>3100D</td>
<td></td>
<td></td>
<td>1</td>
<td>FM</td>
<td>LEC</td>
<td>S2</td>
<td></td>
<td>00</td>
<td>S1016L SS diaphragm</td>
<td>Silicon oil</td>
<td>20 feet</td>
<td>XX</td>
<td>LCD</td>
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<td>FM</td>
<td>LED</td>
<td>S2</td>
<td></td>
<td>05</td>
<td>PTFE and 316L SS diaphragm</td>
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<td>LCD</td>
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<tr>
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<td>LCD</td>
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<tr>
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<td>FM</td>
<td>LEL</td>
<td>S2</td>
<td></td>
<td>15</td>
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<td>20 feet</td>
<td>XX</td>
<td>LCD</td>
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<td>ATEX</td>
<td>LFC</td>
<td>S2</td>
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<td></td>
<td>Silicon oil</td>
<td></td>
<td></td>
<td></td>
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**Price**

- 3100D Explosion-Proof Differential Pressure Transmitter: $900.00

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*Items are subject to Schedule B discounts.*