Dwyer Series DM-2000 Differential Pressure Transmitters sense the pressure of air and compatible gases and send a standard 4 to 20 mA output signal. The DM-2000 housing is specifically designed to mount in the same diameter cutout as a standard Magnehelic® gage. A wide range of models are available factory calibrated to specific ranges.

Pressure connections are inherent to the glass filled plastic molded housing making installation quick and easy. Digital push-button zero and span simplify calibration over typical turn-potentiometers. An optional 3.5 digit LCD shows process and engineering units. A single push button allows field selection of 4 to 6 engineering units depending on range.

**FEATURES/BENEFITS**
- Zero and span controls provide easy calibration checks and shorter installation time to get device running and monitoring
- Quick response to pressure changes means no delay in signaling and alerting to critical situations
- Easy to read LCD display provides immediate local alerts allowing corrective action to be taken quicker to eliminate the problem from becoming widespread
- Same size as Magnehelic® simplifies field upgrade to digital pressure gage by reducing install steps
- Tamper proof button configuration to prevent accidental changes to the settings

**APPLICATIONS**
- Differential pressure across filters
- Fan control
- Static pressures in ducts or buildings

### SPECIFICATIONS
- **Service:** Air and non-combustible, compatible gases.
- **Wetted Materials:** Consult factory.
- **Accuracy:** ±1% FS at 70°F.
- **Stability:** ±1% FS/yr.
- **Temperature Limits:** 20 to 120°F (-6.67 to 48.9°C).
- **Pressure Limits:** 10 psig (0.69 bar).
- **Thermal Effect:** ±0.055% FS/°F (0.099% FS/°C).
- **Power Requirements:** 10 to 35 VDC (2 wire).
- **Output Signal:** 4 to 20 mA.
- **Zero and Span Adjustments:** Digital push-button zero and span.
- **Loop Resistance:** DC: 0 to 1250 Ω maximum.
- **Current Consumption:** DC: 38 mA max.
- **Electrical Connections:** Screw-type terminal block.
- **Display:** 3.5 digit LCD, 0.7˝ H.
- **Process Connections:** 1/8˝ ID tubing.
- **Mounting Orientation:** Vertical.
- **Weight:** 4.8 oz (136 g).

### MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Range (in w.c.)</th>
<th>Pa</th>
<th>mm w.c.</th>
<th>mBar</th>
<th>kPa</th>
<th>psi</th>
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<tbody>
<tr>
<td>DM-2001-LCD</td>
<td>0 to .100</td>
<td>24.9</td>
<td>2.54</td>
<td>249</td>
<td>-</td>
<td>-</td>
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<tr>
<td>DM-2002-LCD</td>
<td>0 to .250</td>
<td>62.2</td>
<td>6.35</td>
<td>.622</td>
<td>-</td>
<td>-</td>
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<tr>
<td>DM-2003-LCD</td>
<td>0 to .500</td>
<td>124.3</td>
<td>12.70</td>
<td>1.243</td>
<td>.124</td>
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<td>25.4</td>
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<td>.249</td>
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<tr>
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<td>50.8</td>
<td>4.97</td>
<td>.497</td>
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<tr>
<td>DM-2006-LCD</td>
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<td>108</td>
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<tr>
<td>DM-2007-LCD</td>
<td>0 to 5.00</td>
<td>1243</td>
<td>127-0</td>
<td>12.43</td>
<td>1.243</td>
<td>180</td>
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<tr>
<td>DM-2012-LCD</td>
<td>0 to ±250</td>
<td>0 to ±62.2</td>
<td>0 to ±6.35</td>
<td>0 to ±.622</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DM-2013-LCD</td>
<td>0 to ±500</td>
<td>0 to ±124.3</td>
<td>0 to ±12.70</td>
<td>0 to ±1.243</td>
<td>-</td>
<td>-</td>
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<tr>
<td>DM-2019-LCD</td>
<td>0 to ±200</td>
<td>49.8</td>
<td>5.08</td>
<td>.498</td>
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<td>-</td>
</tr>
</tbody>
</table>

**Note:** For white overlay change -20 to -21. Example: DM-2102-LCD

### OPTIONS
- To order add suffix: Description
  - -NIST NIST traceable calibration certificate
  - -FC Factory calibration certificate
  - Example: DM-2002-LCD-NIST
  - Example: DM-2002-LCD-FC

### ACCESSORIES
- Model | Description
- A-299 | Surface mounting bracket
- A-300 | Flat flush mounting bracket
- A-302F-A | 303 SS static pressure tip with mounting flange; for 3/16” ID rubber or plastic tubing; 4” insertion depth; includes mounting screws
- A-320-A | Instrument enclosure
- A-489 | 4” straight static pressure tip with flange
- SCD-PS | 100 to 240 VAC/VDC to 24 VDC power supply

**ACCESSORIES**
- Model | Description
- A-299 | Surface mounting bracket
- A-300 | Flat flush mounting bracket
- A-302F-A | 303 SS static pressure tip with mounting flange; for 3/16” ID rubber or plastic tubing; 4” insertion depth; includes mounting screws
- A-320-A | Instrument enclosure
- A-489 | 4” straight static pressure tip with flange
- SCD-PS | 100 to 240 VAC/VDC to 24 VDC power supply

**ACCESSORIES**
- Model | Description
- A-299 | Surface mounting bracket
- A-300 | Flat flush mounting bracket
- A-302F-A | 303 SS static pressure tip with mounting flange; for 3/16” ID rubber or plastic tubing; 4” insertion depth; includes mounting screws
- A-320-A | Instrument enclosure
- A-489 | 4” straight static pressure tip with flange
- SCD-PS | 100 to 240 VAC/VDC to 24 VDC power supply