The Dwyer Series DM-2000 Differential Pressure Transmitters sense the pressure of air and compatible gases and send a standard 4-20 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, ±30 Pa model ±4% 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), ±30 Pa model ±0.13% FS/°F (0.234% FS/°C).
Power Requirements: 10-35 VDC (2 wire).
Output Signal: 4-20 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>
</tr>
</thead>
<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>
</tr>
<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>1243</td>
<td>.124</td>
<td>-</td>
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<tr>
<td>DM-2004-LCD</td>
<td>0 to 1.000</td>
<td>249</td>
<td>25.4</td>
<td>249</td>
<td>.249</td>
<td>-</td>
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<tr>
<td>DM-2005-LCD</td>
<td>0 to 2.00</td>
<td>497</td>
<td>50.8</td>
<td>497</td>
<td>.497</td>
<td>-</td>
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<tr>
<td>DM-2006-LCD</td>
<td>0 to 3.00</td>
<td>746</td>
<td>76.2</td>
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<td>.746</td>
<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>1243</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>
</tr>
<tr>
<td>DM-2019-LCD</td>
<td>0 to ±.200</td>
<td>0 to ±49.8</td>
<td>0 to ±5.08</td>
<td>0 to ±.498</td>
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<td>-</td>
</tr>
</tbody>
</table>

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

ACCESSORIES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-299</td>
<td>Surface mounting bracket</td>
</tr>
<tr>
<td>A-300</td>
<td>Flat flush mounting bracket</td>
</tr>
<tr>
<td>A-302-A</td>
<td>303 SS static pressure tip with mounting flange; for 3/16&quot; ID rubber or plastic tubing; 4&quot; insertion depth; includes mounting screws</td>
</tr>
<tr>
<td>A-320-A</td>
<td>Instrument enclosure</td>
</tr>
<tr>
<td>A-489</td>
<td>4&quot; straight static pressure tip with flange</td>
</tr>
<tr>
<td>SCD-PS</td>
<td>100-240 VAC/VDC to 24 VDC power supply</td>
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OPTIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>To order add suffix:</th>
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<tbody>
<tr>
<td>NIST traceable calibration certificate</td>
<td>-NIST</td>
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<tr>
<td>Example: DM-2002-LCD-NIST</td>
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<tr>
<td>Factory calibration certificate</td>
<td>-FC</td>
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<tr>
<td>Example: DM-2002-LCD-FC</td>
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