SERIES HM35

PRECISION DIGITAL PRESSURE MANOMETER
Up to 0.05% Accuracy, Graphical Display, Data Logging Capability

The SERIES HM35 Precision Digital Pressure Manometer is designed to reliably measure and log absolute pressure, differential pressure, or gage pressure with up to 0.05% accuracy. The data logging function can store up to 10,742 readings and transmit the readings to a PC through an IR serial port. The large display can graphically display trends in the data as well as peaks and valleys.

FEATURES/BENEFITS
• Able to record up to 10,742 readings, which can be downloaded to a PC
• Up to 0.05% accuracy for use in critical applications
• Measure absolute, differential, or gage pressure

SPECIFICATIONS
Service: Air and compatible gases.
Wetted Materials: 18/8 stainless steel.
Accuracy: (Includes linearity, hysteresis, and repeatability) Depending on model:
±0.20% FS ±1 digit;
±0.10% FS ±1 digit;
±0.05% FS ±1 digit.
Temperature Limits: 32 to 122°F (0 to 50°C).
Storage Temperature: -4 to 140°F (-20 to 60°C).
Humidity: Maximum 95% RH non-condensing.
Display: Graphical back lit LCD, 128 x 64 points.

MODEL CHART - ERROR LIMIT 0.2% FS FOR GAGE, VACUUM, AND DIFFERENTIAL PRESSURE

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Error Limit 0.2% FS for gage, underpressure, and differential pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM351DLB300</td>
<td>0 to 10 in. w.c. (0.2-5 kPa)</td>
<td>±0.05% FS ±1 digit</td>
</tr>
<tr>
<td>HM351DLC300</td>
<td>0 to 28 in. w.c. (0.7-70 kPa)</td>
<td>±0.20% FS ±1 digit</td>
</tr>
<tr>
<td>HM351DLF300</td>
<td>0 to 30 in. w.c. (0.7-70 kPa)</td>
<td>±0.10% FS ±1 digit</td>
</tr>
<tr>
<td>HM351DLG300</td>
<td>0 to 20 in. w.c. (0-50 kPa)</td>
<td>±0.05% FS ±1 digit</td>
</tr>
<tr>
<td>HM351DLH300</td>
<td>0 to 15.0 gage psi (0-100 kPa)</td>
<td>±0.20% FS ±1 digit</td>
</tr>
</tbody>
</table>

Note: For higher accuracy models, change the 10th digit from a 0 to a 1 or 2 or 3.

Memory: 964 measurements. Recorded intervals adjustable from 1 to 24 hours in continuous mode.

SERIES HM28

PRECISION HANDHELD DIGITAL MANOMETER
High Accuracy (0.2%, 0.1% or 0.05%), Differential, Gage or Absolute

The SERIES HM28 Precision Handheld Digital Manometer is designed to measure a wide range of pressures with up to 0.05% accuracy. The data logging function can store up to 364 readings and transmit the readings to a PC through an IR serial port. The dual line LCD is able to display a resolution to 0.001 of the selected unit and indicate peaks and valleys.

FEATURES/BENEFITS
• Measures differential, gage, or absolute pressure
• Able to record up to 964 readings, which can be downloaded to a PC
• Up to 0.05% accuracy

SPECIFICATIONS
Service: Air and compatible gases.
Wetted Materials: 18/8 stainless steel.
Accuracy: (Includes linearity, hysteresis, and repeatability) per order code:
±0.05% FS ±1 digit;
±0.05% FS ±1 digit;
±0.05% FS ±1 digit;
Temperature Limits: 23 to 122°F (-5 to 50°C).
Storage Temperature: -4 to 140°F (-20 to 60°C).
Humidity: 30 to 95% RH, non-condensing.
Display: 2 line, 16 character, dot matrix LCD, with switchable display sizes.
Power Requirements: 9 V alkaline battery, integrated functional, user replaceable. Can operate on 5.5 to 9 VDC external power.

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM28D3B1000</td>
<td>0 to 10 in. w.c. (2.5 kPa)</td>
</tr>
<tr>
<td>HM28D3C1000</td>
<td>0 to 28 in. w.c. (7 kPa)</td>
</tr>
<tr>
<td>HM28D3D1000</td>
<td>0 to 30 in. w.c. (7 kPa)</td>
</tr>
<tr>
<td>HM28D3E1000</td>
<td>0 to 20 in. w.c. (5-50 psi)</td>
</tr>
<tr>
<td>HM28D3F1000</td>
<td>0 to 15.0 psi (0-100 kPa)</td>
</tr>
</tbody>
</table>

For absolute pressure

HM28A3I1000 | 0 to 15.0 psi (0.2% FS (110 kPa abs))

Note: Consult factory for 0.10% models.