**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

**APPLICATIONS**

- Calibration facilities
- Laboratories

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Over Pressure</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM351DLB300</td>
<td>0 to 10 in w.c. (0-2.5 kPa)</td>
<td>50 in w.c.</td>
<td>$1630.00</td>
</tr>
<tr>
<td>HM351DLC300</td>
<td>0 to 28 in w.c. (0-7 kPa)</td>
<td>140 in w.c.</td>
<td>$1566.00</td>
</tr>
<tr>
<td>HM351DEL300</td>
<td>0 to 80 in w.c. (0-20 kPa)</td>
<td>600 in w.c.</td>
<td>$1492.00</td>
</tr>
<tr>
<td>HM351DFL300</td>
<td>0 to 120 in w.c. (0-30 kPa)</td>
<td>600 in w.c.</td>
<td>$1566.00</td>
</tr>
<tr>
<td>HM351DGL300</td>
<td>0 to 200 in w.c. (0-50 kPa)</td>
<td>58 psi</td>
<td>$1492.00</td>
</tr>
<tr>
<td>HM351DLH300</td>
<td>0 to 14.5 psi (0-100 kPa)</td>
<td>58 psi</td>
<td>$1492.00</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- NIST traceable calibration certificate
- Communications software and cable
- Universal power adapter

**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 964 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

**APPLICATIONS**

- Calibration facilities
- Laboratories

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM28D3B1000</td>
<td>0 to 10 in w.c. (2.5 kPa)</td>
<td>$1535.00</td>
</tr>
<tr>
<td>HM28D3C1000</td>
<td>0 to 28 in w.c. (7 kPa)</td>
<td>$1564.00</td>
</tr>
<tr>
<td>HM28D3F1000</td>
<td>0 to 120 in w.c. (30 kPa)</td>
<td>$1535.00</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- NIST traceable calibration certificate
- Communication software and cable
- Universal power adapter

**SPECIFICATIONS**

- Service: Air and compatible gases.
- Accuracy: Includes linearity, hysteresis, and repeatability; per order code.
- ±0.20% FS ±1 digit; ±0.10% 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: Graphical backlit LCD, 128 x 64 points.
- Power Requirements: (3) 1.5 V AA alkaline batteries, installed functional, user replaceable. Can operate on 6 to 9 VDC external power.
- Current Consumption: < 9 mA.
- Memory: 964 measured values. Recording intervals adjustable from 1 s to 24 hrs or manual.
- Case Protection: IP54 (NEMA 3).
- Weight: 9.5 oz (270 g).
- Process Connections: Hose 4/6 mm or 1/8" NPT.
- RS-232 Baud Rate: Adjustable, 1200, 2400, 4800, or 9600 baud.

**OPTIONS**

- Use order code: Description
  - NISTCAL-MD
  - $109.00

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM28-0</td>
<td>1/8&quot; NPT adapter (1 piece)</td>
<td>$57.50</td>
</tr>
<tr>
<td>HM35-1</td>
<td>Communication software key</td>
<td>$569.00</td>
</tr>
<tr>
<td>HM35-2</td>
<td>Infrared RS-232 serial adapter, required to download stored data to a PC</td>
<td>$250.00</td>
</tr>
<tr>
<td>HM35-3</td>
<td>External power converter with U.S. plug adapter, input 100 to 240 VAC, 50/60 Hz</td>
<td>$161.00</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- Service: Air and compatible gases.
- Accuracy: (Includes linearity, hysteresis, and repeatability); per order code.
- ±0.20% FS ±1 digit; ±0.10% 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: Maximum 95% RH non-condensing.
- Display: Graphical backlit LCD. 128 x 64 points.
- Power Requirements: (3) 1.5 V AA alkaline batteries, installed functional, user replaceable. Can operate on 6 to 9 VDC external power.
- Current Consumption: < 9 mA.
- Memory: 10,742 readings. Recording intervals adjustable from 1 s to 24 hrs or manual.
- Case Protection: IP54 (NEMA 3).
- Weight: 10.5 oz (300 g).
- Process Connections: Hose 4/6 mm or 1/8" NPT.