Series HM35
Precision Digital Pressure Manometer
Up to 0.05% Accuracy, Graphical Display, Data Logging Capability

The High Precision Series HM35 Digital Manometer is designed to reliably measure and log pressure measurements for critical applications. This family of manometer can measure 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. The series HM35 comes standard with a calibration certificate so that the instrument can be used as a secondary calibration standard when testing other pressure instrumentation. This manometer is ideal for laboratories, calibration facilities, and other critical pressure applications.

**ACCESSORIES**
- HM28-0, 1/8˝ NPT Adapter (1 Piece) .......................... $52.50
- HM35-1, Communication software .......................... $35.00
- HM35-2, Infrared RS-232 Serial Adapter. Required to download stored data to a PC .......................... $290.00
- HM35-3, External Power Converter with U.S. plug adapter. Input 100 to 240 VAC, 50/60 Hz .......................... $144.00

**SPECIFICATIONS**
- **Service:** Air and compatible gases.
- **Wetted Materials:** 18/8 stainless steel.
- **Accuracy:** (Includes linearity, hysteresis, and repeatability): Depending on model.
  - ±0.20% full-scale ±1 digit;
  - ±0.10% full-scale ±1 digit;
  - ±0.05% full-scale ±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.
- **Power Requirements:** (3) 1.5 V AA alkaline batteries, installed functional, user replaceable. Can operate on 6 to 9 VDC external power.
- **Current Consumption:** 25 mA without back lit display, IR, or buzzer.
- **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.
- **Agency Approval:** CE.

**Error Limit 0.2% FS for gauge, 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>HM3531DLB300</td>
<td>0-10 in w.c. (0-2.5 kPa)</td>
<td>50 in w.c.</td>
<td>$1340.00</td>
</tr>
<tr>
<td>HM3531DLC300</td>
<td>0-26 in w.c. (0-7 kPa)</td>
<td>140 in w.c.</td>
<td>$1340.00</td>
</tr>
<tr>
<td>HM3531DLE300</td>
<td>0-80 in w.c. (0-20 kPa)</td>
<td>600 in w.c.</td>
<td>$1340.00</td>
</tr>
<tr>
<td>HM3531DLF300</td>
<td>0-120 in w.c. (0-30 kPa)</td>
<td>800 in w.c.</td>
<td>$1340.00</td>
</tr>
<tr>
<td>HM3531DLG300</td>
<td>0-200 in w.c. (0-50 kPa)</td>
<td>58 psi</td>
<td>$1340.00</td>
</tr>
<tr>
<td>HM3531DLH300</td>
<td>0-14.5 psi (0-100 kPa)</td>
<td>58 psi</td>
<td>$1340.00</td>
</tr>
</tbody>
</table>

For higher accuracy models change the 10th digit from a 3 to a 1 (0.05% FS), 2 (0.1% FS), or 6 (0.1% of reading). For example, 0 to 28 in of w.c. with 0.05% accuracy would be model number HM3531DLC100. Higher accuracies are only available on 0 to 28 in of range or higher. Consult factory for prices on higher accuracy models.

**OPTION**
- For NIST traceable calibration certificate, use order code NISTCAL-MD .......................... $75.00

_items are net priced and are not subject to any discount._