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
• Laboratories
• Calibration facilities

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.

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.

OPTIONS
Use order code: Description
NISTCAL-MD1 NIST traceable calibration certificate

SERIES HM35

ACCESSORIES
Model Description
HM28-0 1/8” NPT adapter (1 piece)
HM28-1 Communication software key
HM28-2 External power power adapter with U.S. plug adapter, input 100 to
240 VAC, 50/60 Hz

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 large display can graphically display trends in the data as well as 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

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.
Wetted Materials: 18/8 stainless steel.
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, installed functional, user replaceable. Can operate from external power supply of 7-14 VDC.

Current Consumption: < 9 mA.
Maximum Measurement Rates: 58 psi, 5-61/64 in w.c. (151.21 x 152 x 83 x 34 mm).
Weight: 9.5 oz (270 g).
Process Connections: Hose 4/6 mm or 1/8” NPT.
Maximum Measurement Rates: Stand alone: 2-1/2 readings/s (0.1% and 0.05% ratings), 5 readings/s (0.2% rating), Output to RS-232: 20 measurements/s (0.2% rating), 10 measurements/s (0.1% and 0.05% ratings).
RS-232 Baud Rate: Adjustable, 1200, 2400, 4800, or 9600 baud.

OPTIONS
Use order code: Description
NISTCAL-MD1 NIST traceable calibration certificate