The Series HM28 Digital Hand-Held Manometer is a precision instrument designed to measure a wide range of pressures to a very high accuracy. The unit incorporates a variety of features in an easy to use format that makes it useful in a wide variety of applications. Features include: measurement in all common pressure ranges, display resolution to 0.001, differential or relative measurement, two line liquid crystal display, and adjustable auto power off to conserve battery. We are so proud of the accuracy of the HM28 that we provide a certificate of accuracy (0.2%, 0.1% or 0.05%), Differential, Gage or Absolute ranges, display resolution to 0.001, differential or relative measurement, two line liquid crystal display, and adjustable auto power off to conserve battery.

Series 490 Digital Manometers are versatile, hand-held, battery operated manometers available in several basic ranges for positive or positive differential pressure measurement and can tolerate most liquid media compatible with 316LSS. A memory function allows storage of up to 40 readings for later recall and a backlight provides auxiliary lighting for hard-to-see locations. Standard are a hold feature and both visual and audible overpressure alarms. A new feature added to the Series 490 is a field adjustable damping. This allows the user to choose the level of display averaging rate corresponding to the fluctuation level common in many applications. A 9V alkaline battery is included that provides up to 100 hours of operation.

OPTIONS
-3V, 3-way Valve Package
Note: Option only available on ranges up to 100 psi.

SPECIFICATIONS
- Pressure Connection: Hose; 1/8” NPT.
- Accuracy: (Includes linearity, hysteresis, and repeatability): per order code.
- ±0.20% full scale ±1 digit
- ±0.10% full scale ±1 digit
- ±0.05% full scale ±1 digit
- Measuring Media: Instrument air or inert gases. For HM28G3XXXX, any material compatible with 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.
- Battery: 9V alkaline (included). Can operate from external power supply of 7 to 14 VDC.

Current Consumption: <9 mA.
Memory: 964 measured values. Recording intervals adjustable from manual, 1, 5, 10, 20, 30 seconds, 1, 2, 3, 5, 10, 30, 60 minutes.
Case Protection: IP54.
Case Dimensions: 6 x 3.27 x 1.34 in (152 x 83 x 34 mm).
Weight: 9.5 oz (270 g).
Maximum Measurement Rates: Stand alone: 2-1/2 readings/sec (0.1% and 0.05% ratings), 5 readings/sec (0.2% rating). Output to RS-232: 20 measurements/sec (0.2% rating), 10 measurements/sec (0.1% and 0.05% ratings).
RS-232 Baud Rate: Adjustable, 1200, 2400, 4800, or 9600 baud.
Agency Approvals: CE.

Series 490
High Accuracy (0.2%, 0.1% or 0.05%), Differential, Gage or Absolute
Liquid & Gas Pressure Measurement, ±0.5% F.S. Accuracy

CALL TO ORDER: U.S. Phone 219 879-8000 • U.K. Phone (+44) (0)1494-461707 • Australia Phone (+61) (0) 2 4272 2055

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