



H12-8 Portable Pressure meter

## H12 - LIQUID MANOMETERS & METERS - continued

### PORTABLE PRESSURE METER (H12-8)

A versatile, hand held, battery operated portable pressure meter capable of measuring pressures of water or air from 0 - 2000 mBar (0 - 1500mmHg).

This unit is particularly suitable for use in applications where Mercury manometers have traditionally been used. The use of Mercury is not desirable in a laboratory environment due to its hazardous nature.

#### DESCRIPTION

A battery operated portable pressure meter suitable for measuring gauge (single input) or differential (dual inputs) pressures of air or water.

Measurement capacity is up to 2 Bar differentially and the unit is capable of withstanding 6 Bar on either port without damage.

Housed in a robust, waterproof case and designed to be hand held. Supplied with connections to suit 6mm flexible hose.

An adjustable zero value eliminates offset and an averaging filter function provides steady readings in situations where the pressure is fluctuating. Readings can be displayed in alternative pressure units.

A calibration certificate referred to National Physical Laboratory (NPL: 5 point calibration) or United Kingdom Accreditation Service (UKAS: 10 point calibration) standards can be supplied if ordered with the meter.

### TECHNICAL DETAILS

Measuring range:	0 - 2000mBar (0 - 1500mmHg)
Units: (selectable)	mBar, mmHg, psi, inH <sub>2</sub> O, inHg, kPa, cmH <sub>2</sub> O, kgcm <sup>-2</sup>
Resolution:	1mBar (1mmHg)
Accuracy:	+/-0.2% of full scale
Repeatability:	+/-0.1% of full scale
Maximum overpressure:	6200 mBar (4650 mmHg)
Temperature range:	0 - 50°C
Humidity range:	10 - 90% RH non- condensing
Protection:	Dust and waterproof to IP67
Fluid compatibility:	Silicon protection for use with water without sensor corrosion
Connections:	1/8" BSP parallel female with adaptor to 6mm/9mm flexible tubing
Battery type:	MN1604
Battery life:	90 hours

### ORDERING SPECIFICATION

H12-8	Basic Portable Pressure Meter
H12-8-CC1	Portable Pressure Meter with NPL 5 point Calibration Certificate
H12-8-CC2	Portable Pressure Meter with UKAS 10 point Calibration Certificate

### OVERALL DIMENSIONS

Length:	250mm
Width:	100mm
Depth:	40mm

### SHIPPING SPECIFICATION

Volume:	0.005m <sup>3</sup>
Gross Weight:	1kg