

Digital Barometric Pressure Indicator

Measure barometric pressure at any place any time.

Available Models:

PSI-BPI-1 M

PSI-BPI-1 B

Barometric pressure measurements are required extensively in Air Pollution Monitoring. The calibration procedures of NABL laboratories specifically mandate that measurement of flow to be carried out at operating conditions of pressure and temperature which necessitates the measurement of barometric pressure in the laboratory. Model PSI-BPI-1 proves to be a handy tool for meeting this requirement.



Salient Features

- ☞ Compact and light-weight
- ☞ Large Backlit Display
- ☞ Wall mountable / Table Top
- ☞ Measures Absolute Pressure at the inlet of a device under calibration
- ☞ Measures Barometric Pressure

Physical Design Highlights

While PSI-BPI-1 M is a mains operated instrument, PSI- PSI-BPI-1 B is battery operated. The two models are similar in all respects except the source of power. Accordingly the two models are referred to PSI-BPI-1 in the rest of this document.

Model PSI-BPI-1 is a compact, wall mountable / table top instrument. It utilizes a precision solid-state absolute pressure sensor and a large alpha-numeric display for viewing the ambient pressure. It permits the user to select the units of measurement with press of a key.

The pressure indicator has an input Port (Nozzle) When the Port (Nozzle) is left open; the sensor measures the barometric pressure. When the input Port (Nozzle) is connected to the inlet of a device under calibration such as a rotameter or a digital flow indicator, the instrument can be used for measuring the inlet pressure for complying with requirements of calibration procedures specified by NABL accredited laboratories. The availability of this Port (Nozzle) also facilitates the PSI-BPI-1 itself to be calibrated.

Detailed Technical Specifications:

Model → Specification t	PSI-BPI-1 M	PSI-BPI-1 B
Range	200.0 to 1050.0 mbar Absolute	
Accuracy	± 0.25% F.S.	
Resolution	0.1 mbar	
Media	Air or non corrosive gases	
Display	32 character large alphanumeric LCD	
Keys	1 No. (Unit selection)	
Pressure Units	Torr , mm Hg, mBar, PSI, Kg/cm ² , In Hg, K.Pascal	
Power	230 V AC Mains ± 20% through 9 VDC Linear Adaptor	
Connections	Nozzle or Ferruleless union	
Size & Weight	140 x 120 x 70 mm Wt - 500 Gm.	

Related Products

Digital Pressure Calibrator Model PSI-PC1

Digital Alarming Pressure Gauge Model PSI-DPG1

Pressure Calibration Hand Pump Model PSI-PP1, PSI-PP2, PSI-PP3, PSI-HPP1

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