

200 mbar, Dual & differential input
RS232/USB computer interface

MANOMETER



Model : PM-9102

ISO-9001, CE, IEC1010

Tehran, Tehransar



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Lutron

LUTRON ELECTRONIC

The Art of Measurement

200 mbar, dual & differential input

MANOMETER

Model : PM-9102



Tehran, Tehransar

FEATURES


- * Dual & differential input, 200 mbar max. range.
- * Application : Industrial, laboratory, heating, ventilation, medical hospital, used for air or not corrosive and not ionized gas & liquid.
- * Sensor is built inside the housing.
- * Single lugs for pipe connection.
- * 8 kind display units (mbar, psi, Kg/cm², mm Hg, inch Hg, meter H₂O, inch H₂O, Atmosphere) select by push button on the front panel
- * Auto shut off saves battery life.
- * Zero button on the front panel, easy to offset the zero value.
- * Microprocessor circuit assures maximum possible accuracy, provides special functions and features,
- * Super large LCD display with contrast adjustment for best viewing angle.
- * Records maximum & minimum readings with recall.
- * Data Hold function for stored the desired value on display.
- * Built-in low battery indicator.
- * RS232 PC serial interface, can match the personal computer used as the Data Logger, Recorder.... & other modern pressure measuring system.

Operating temperature	0 to 50 °C (32 to 122 °F).
Operating humidity	Less than 80% R.H.
Power supply	006P DC 9V battery (heavy duty).
Power current	Approx. DC 6.0 mA.
Weight	345 g/0.76 LB .
Dimension	180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch).
Accessories included	* Instruction manual..... 1 PC. * Hard carrying case..... 1 PC. * Plug for quick coupler..... 2 PCs.
Optional accessories	* Data acquisition software (Windows version)..... SW-U101-WIN * USB cable.....USB-01 * RS232 cable.....UPCB-01

ELECTRICAL SPECIFICATIONS

Unit	Max. range	Resolution
mbar	200 mbar	0.1 mbar
psi	2.9 psi	0.001 psi
Kg/cm ²	0.204 Kg/cm ²	0.001 Kg/cm ²
mm Hg	150 mm Hg	0.1 mm Hg
inch Hg	5.905 inch Hg	0.002 inch Hg
meter H ₂ O	2.040 meter H ₂ O	0.001 meter H ₂ O
inch H ₂ O	80.2 inch H ₂ O	0.05 inch H ₂ O
Atmosphere	0.197 Atmosphere	0.001 Atmosphere

GENERAL SPECIFICATIONS

Circuit	Microprocessor LSI circuit.
Display	61 mm x 34 mm supper large LCD display. 15 mm (0.6") digit size.
Display units	mbar, psi, Kg/cm ² , mm Hg, inch Hg, meter H ₂ O, inch H ₂ O, Atmosphere.
Function	Dual & differential input, data hold, zero/relative, memory.
Zero adjust	Push button on the front panel.
Sensor	* Sensor is built inside the housing. * Piezoelectric sensor.
	 * Used for dry, non-corrosive and non-ionic air and gas only. Liquid is prohibited.
Data hold	By push button.
Data record	Record maximum & minimum readings.
Data output	RS 232 PC serial interface.
Sampling time	Approx. 0.8 second.
Power off	Auto shut off, saves battery life or manual off by push button.

Unit	Max. range	Accuracy
mbar	200 mbar	± 2 % F. S.
psi	2.9 psi	
Kg/cm ²	0.204 Kg/cm ²	<i>Note :</i>
mm Hg	150 mm Hg	* 23± 5 °C.
inch Hg	5.905 inch Hg	* F.S. : full scale
meter H ₂ O	2.040 meter H ₂ O	* Included linearity, hysteresis and repeatability
inch H ₂ O	80.2 inch H ₂ O	
Atmosphere	0.197 Atmosphere	

Remark :

Measuring unit	Display unit
mbar	m Bar
psi	Psi
Kg/cm ²	Kg /cm2
mm Hg	mm /Hg
inch Hg	in/Hg
meter H ₂ O	m H2O
inch H ₂ O	inch H2O
Atmosphere	ATP

* Appearance and specifications listed in this brochure are subject to change without notice.

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