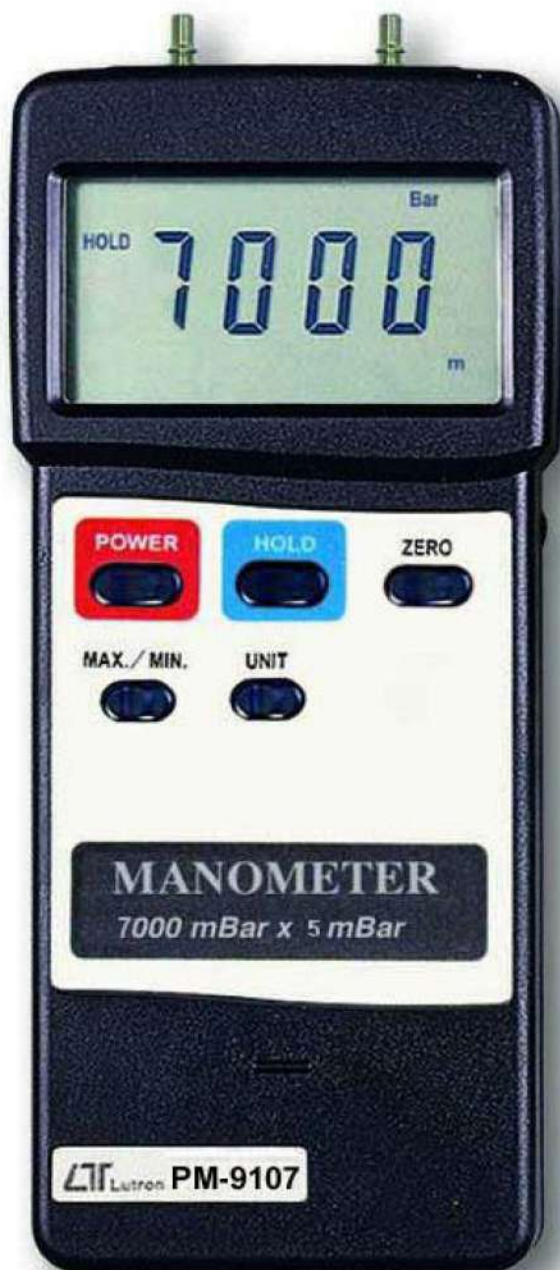


# MANOMETER *7000 mbar, Dual & differential input*

**Model : PM-9107**

***ISO-9001, CE, IEC1010***



## FEATURES

- \* Dual & differential input, 7000 mbar ( 7 bar ) maximum range.
- \* Application : Industrial, laboratory, heating, ventilation, medical hospital, used for air or not corrosive and not ionized gas.
- \* Sensor is built inside the housing.
- \* Single lugs for pipe connection.
- \* 8 kind display units ( mbar, psi, Kg/cm<sup>2</sup> mm Hg, inch Hg, meter H<sub>2</sub>O, inch H<sub>2</sub>O, Atmosphere ) select by push button on the front panel
- \* Records max. & min. readings.
- \* Zero button on the front panel, easy to offset the zero value.
- \* Data Hold.
- \* RS232 PC serial interface, can match the personal computer used as the Data Logger, Recorder.... and other modern pressure measuring system.



**LUTRON ELECTRONIC**



***The Art of Measurement***

**7000 mbar, dual & differential input**

# MANOMETER

**Model : PM-9107**

## FEATURES

* Dual & differential input, 7000 mbar max. range.	* Push button gain adjustment, usage for calibration precisely if necessary.
* Application : Industrial, laboratory, heating, ventilation, medical hospital, used for air or not corrosive and not ionized gas.	* Microprocessor circuit assures maximum possible accuracy, provides special functions and features,
* Sensor is built inside the housing.	* Super large LCD display with contrast adjustment for best viewing angle.
* Single lugs for pipe connection.	* Records maximum & minimum readings with recall.
* 8 kind display units ( m bar, psi, Kg/cm <sup>2</sup> , mm/Hg, inch/Hg, meter/H <sub>2</sub> O, inch/H <sub>2</sub> O, Atmosphere ) select by push button on the front panel	* Data Hold function for stored the desired value on display.
* Auto shut off saves battery life.	* Built-in low battery indicator.
* Zero button on the front panel, easy to offset the zero value.	* RS 232 PC serial interface, can match the personal computer used as the Data Logger, Recorder.... & other modern pressure measuring system.

## GENERAL SPECIFICATIONS

Circuit	Microprocessor LSI circuit.	Data record	Record maximum & minimum readings.
Display	61 mm x 34 mm supper large LCD display. 15 mm ( 0.6" ) digit size.	Power off	Auto shut off, saves battery life, or manual off by push button.
Display units	mbar, psi, Kg/cm <sup>2</sup> , mm/Hg, inch/Hg, meter/H <sub>2</sub> O, inch/H <sub>2</sub> O, Atmosphere.	Sampling time	Approx. 0.8 second.
Function	Dual & differential input, data hold, zero/relative, memory.	Operating temperature	0 to 50 °C ( 32 to 122 °F ).
Zero adjust	Push button on the front panel.	Operating humidity	Less than 80% R.H.
Span adjust	Push button gain adjustment, usage for calibration precisely if necessary.	Power supply	006P DC 9V battery(heavy duty).
Sensor	* Sensor is built inside the housing. * Piezoelectric sensor. * Used for dry, non-corrosive and non-ionic air and gas only. * Liquid is prohibited.	Power current	Approx. DC 8.5 mA.
		Weight	345 g/0.76 LB
		Dimension	180 x 72 x 32 mm ( 7.1 x 2.8 x 1.3 inch )
Data hold	By push button.	Accessories included	* Instruction manual..... 1 PC. * Hard carrying case..... 1 PC.

## ELECTRICAL SPECIFICATIONS ( 23±5 °C )

Unit	Max. range	Resolution	Accuracy
m bar	7000 m bar	5 m bar	± 2 % F. S. ( F.S. : full scale )
psi	101.5 psi	0.5 psi	
Kg/cm <sup>2</sup>	7.135 Kg/cm <sup>2</sup>	0.005 Kg/cm <sup>2</sup>	
mm/Hg	5250 mm/Hg	5 mm/Hg	
inch/Hg	206.7 inch/Hg	0.1 inch/Hg	
meter/H <sub>2</sub> O	71.35 meter/H <sub>2</sub> O	0.05 meter/H <sub>2</sub> O	Note : Included linearity, hysteresis and repeatability
inch/H <sub>2</sub> O	2810 inch/H <sub>2</sub> O	2 inch/H <sub>2</sub> O	
Atmosphere	6.905 Atmosphere	0.005 Atmosphere	

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

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