

2000 mbar, Dual & differential input

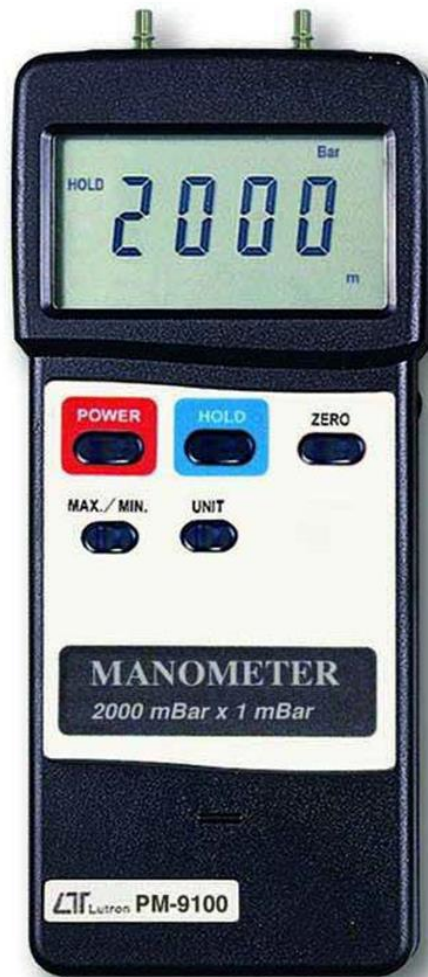
# MANOMETER

Model : PM-9100

ISO-9001, CE, IEC1010

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02-2389-0101



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*The Art of Measurement*

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## FEATURE

- \* Dual & differential input, 2000 mbar ( 2 bar ) maximum range.
- \* Application : Industrial, laboratory, heating, ventilation, medical hospital.....
- \* Used for dry, non-corrosive and non- ionic air and gas only. Liquid is prohibited.
- \* 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 H2O, inch H2O, 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.

## GENERAL SPECIFICATION

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 <sup>2</sup> , mm/Hg, inch/Hg meter/H2O, inch/H2O, Atmosphere.
Function	Dual & differential input, data hold, zero/relative, memory.
Zero adjust	Push button on the front panel.
Span adjust	Push button gain adjustment, usage for calibration precisely if necessary.
Sensor	<ul style="list-style-type: none"><li>* Sensor is built inside the housing.</li><li>* Piezoelectric sensor.</li><li>* Used for dry, non-corrosive and non-ionic air and gas only.</li><li>* Liquid is prohibited.</li></ul>
Data hold	By push button.
Data record	Record maximum & minimum readings.
Data output	RS 232 PC serial interface.
Power off	Auto shut off, saves battery life, or manual off by push button.
Sampling time	Approx. 0.8 second.
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 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 )
Accessories included	<ul style="list-style-type: none"><li>* Instruction manual..... 1 PC.</li><li>* Hard carrying case..... 1 PC.</li></ul>
Optional accessories	<ul style="list-style-type: none"><li>* Data acquisition software ( Windows version ),SW-U801-WIN</li><li>* RS232 cable, UPCB-01</li><li>* USB cable, USB-01</li></ul>

## ELECTRICAL SPECIFICATIONS (23± 5 °C)

Unit	Max. range	Resolution
m bar	2000 m bar	1 m bar
psi	29 psi	0.01 psi
Kg/cm <sup>2</sup>	2.040 Kg/cm <sup>2</sup>	0.001 Kg/cm <sup>2</sup>

mm/Hg	1500 mm/Hg	1 mm/Hg
inch/Hg	59.05 inch/Hg	0.02 inch/Hg
meter/H2O	20.40 meter/H2O	0.01 meter/H2O
inch/H2O	802 inch/H2O	0.5 inch/H2O
Atmosphere	1.974 Atmosphere	0.001 Atmosphere

**Accuracy**

± 2 % F. S. ( F.S. : full scale )

Note : Included linearity, hysteresis and repeatability

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

PM-9100+0510

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