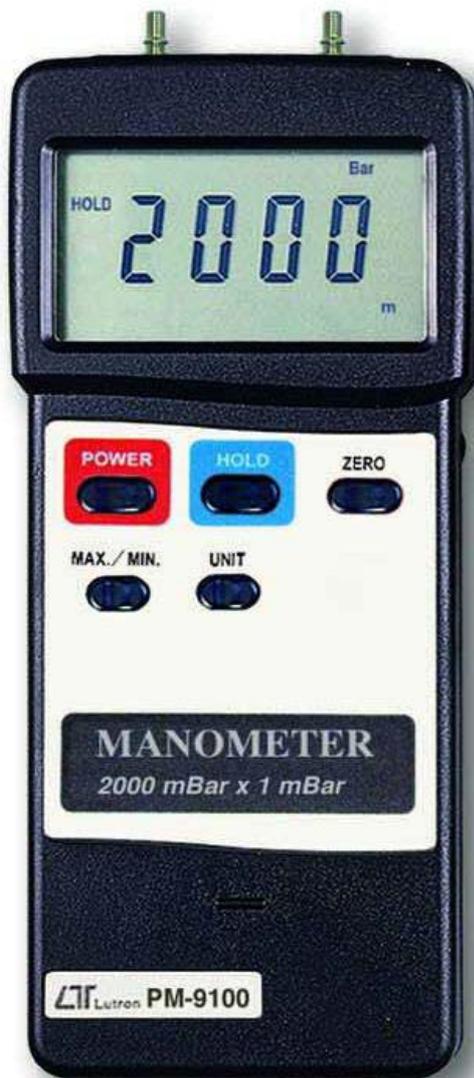# MANOMETER
2000 mbar, Dual & differential input

Model : PM-9100
ISO-9001, CE, IEC1010

FEATURES

* Dual & differential input, 2000 mbar (2 bar) maximum 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/cm^2 mm Hg, inch Hg, meter H20, inch H20, 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

MANOMETER
2000 mbar, dual & differential input
Model : PM-9100

FEATURES	
* Dual & differential input, 2000 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 & liquid.	* 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.	
* 8 kind display units (m bar, psi, Kg/cm^2, mm/Hg, inch/Hg, meter/H2O, inch/H20, Atmosphere) select by push button on the front panel	* Records maximum & minimum readings with recall.
	* 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.	Power off	Auto shut off, saves battery life, or manual off by push button.
Display	61 mm x 34 mm supper large LCD display. 15 mm (0.6") digit size.		
		Sampling time	Approx. 0.8 second.
Display units	mbar, psi, Kg/cm^2, mm/Hg, inch/Hg meter/H2O, inch/H2O, Atmosphere.	Operating temperature	0 to 50 ℃ (32 to 122 ℉).
Function	Dual & differential input, data hold, zero/relative, memory.	Operating humidity	Less than 80% R.H.
Zero adjust	Push button on the front panel.	Power supply	006P DC 9V battery(heavy duty).
Span adjust	Push button gain adjustment, usage for calibration precisely if necessary.	Power current	Approx. DC 8.5 mA.
		Weight	345 g/0.76 LB
Sensor	* Sensor is built inside the housing. * Piezoelectric sensor. * Used for dry, non-corrosive and non-ionic air and gas only. * Liquid is prohibited.	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.
Data hold	By push button.	Optional accessories	* Data acquisition software (Windows version), SW-U801-WIN * RS232 cable, UPCB-01
Data record	Record maximum & minimum readings.		
Data output	RS 232 PC serial interface.		

ELECTRICAL SPECIFICATIONS *(23± 5 ℃)*			
Unit	*Max. range*	*Resolution*	*Accuracy*
m bar	2000 m bar	1 m bar	
psi	29 psi	0.01 psi	
Kg/cm^2	2.040 Kg/cm^2	0.001 Kg/cm^2	± 2 % F. S. (F.S. : full scale)
mm/Hg	1500 mm/Hg	1 mm/Hg	
inch/Hg	59.05 inch/Hg	0.02 inch/Hg	*Note :*
meter/H2O	20.40 meter/H2O	0.01 meter/H2O	*Included linearity, hysteresis and*
inch/H2O	802 inch/H2O	0.5 inch/H2O	*repeatability*
Atmosphere	1.974 Atmosphere	0.001 Atmosphere	

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