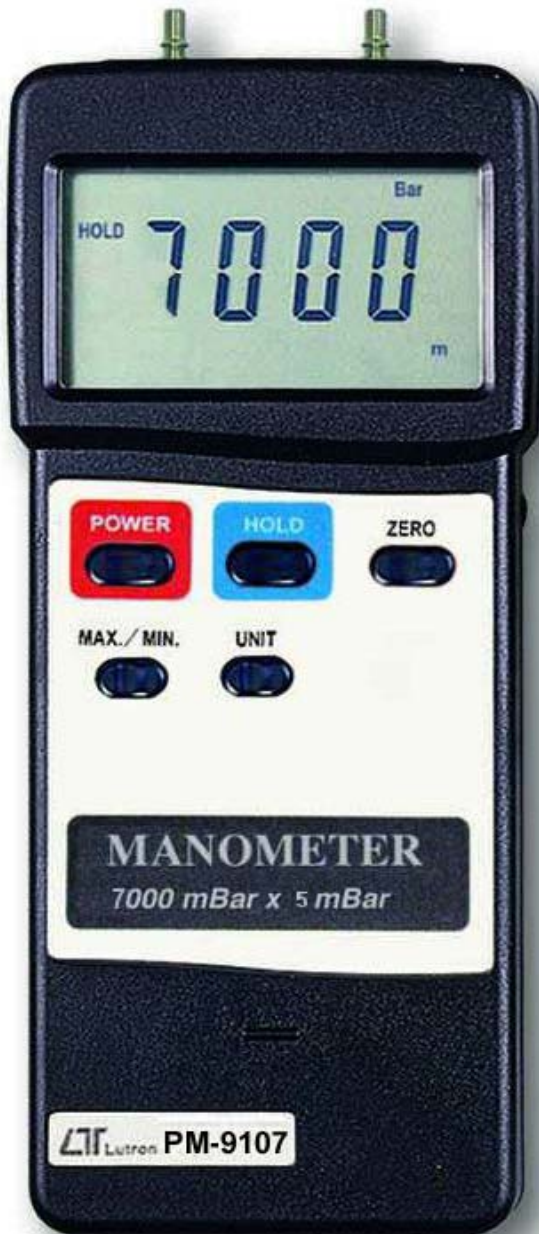


MANOMETER *7000 mbar, Dual & differential input*

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/cm² 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.



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 ² , mm/Hg, inch/Hg, meter/H ₂ O, inch/H ₂ 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 ² , mm/Hg, inch/Hg, meter/H ₂ O, inch/H ₂ 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) |
| | | Accessories included | * Instruction manual..... 1 PC. * Hard carrying case..... 1 PC. |
| Data hold | By push button. | | |

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) <i>Note : Included linearity, hysteresis and repeatability</i> |
| psi | 101.5 psi | 0.5 psi | |
| Kg/cm ² | 7.135 Kg/cm ² | 0.005 Kg/cm ² | |
| mm/Hg | 5250 mm/Hg | 5 mm/Hg | |
| inch/Hg | 206.7 inch/Hg | 0.1 inch/Hg | |
| meter/H ₂ O | 71.35 meter/H ₂ O | 0.05 meter/H ₂ O | |
| inch/H ₂ O | 2810 inch/H ₂ O | 2 inch/H ₂ O | |
| Atmosphere | 6.905 Atmosphere | 0.005 Atmosphere | |

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

0510-PM9107