

PRESSURE METER

Model : PS-9302

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC



The Art of Measurement

PRESSURE METER

Model : PS-9302

FEATURES	
* Meter can cooperate with 2, 5, 10, 20, 50, 100, 400 bar sensor, new calibration are not necessary when change the new sensor .	* Zero button on the front panel, easy adjust the zero value of pressure sensor.
* When change the new pressure sensor, just select pressure type (2, 5, 10, 20, 50, 100, 400 bar) on the front panel button. The sensor type will memorize into the circuit permanently by EEPROM.	* Push button gain adjustment, usage for calibration precisely if necessary.
* 8 kind pressure units (bar, psi, Kg/cm ² mm/Hg, inch/Hg, meter/H2O, inch/H2O, Atmosphere) select by push button on the front panel	* Separate pressure sensor, easy operation. & remote measurement.
* Optional full line pressure sensor (2, 5, 10, 20, 50, 100, 400 bar) are available.	* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
* Auto shut off saves battery life.	* Super large LCD display with contrast adjustment for best viewing angle.
* 4 pin DIN socket, 2 pins to provide DC 5 V exciting voltage (power supply) to pressure transducer, another two pins for accept transducer signal of 100mV full scale.	* Records maximum & minimum readings with recall.
	* Data Hold function for stored the desired value on display.
	* Built-in low battery indicator.
	* RS232/USB PC serial interface, can match the personal computer used as the Data Logger, Pressure Recorder.... and other modern pressure measuring system.

GENERAL SPECIFICATIONS			
Circuit	Microprocessor LSI circuit.	Data output	RS 232/USB PC serial interface.
Display	61 mm x 34 mm supper large LCD display. 15 mm (0.6") digit size.	Sampling time	Approx. 0.8 second.
Display units	bar, psi, Kg/cm ² , mm/Hg, inch Hg, meter H2O inch H2O, Atmosphere.	Power off	Auto shut off, saves battery life, or manual off by push button.
Accuracy	± (0.5% + 1 d) * Under the signal from the sensor is at full scale (100 mV). * Meter only. * Within 23 °C ± 5 °C	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.
Pressure transducer	Optional, exciting voltage DC 5V, Sensor max. range output is DC 100 mV.	Weight	345 g/0.76 LB
Zero adjust	Push button on the front panel.	Dimension	180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch).
Span adjust	Push button gain adjustment, usage for calibration precisely if necessary.	Accessories included	* Instruction manual..... 1 PC
Transducer mV input signal	Approx 100 mV (Full Scale).	Optional accessories	* Pressure sensor, PS100-xxBAR refer to the bottom description. * Hard carrying case (CA-06). * Data acquisition software, SW-U801-WIN. * RS232 cable, UPCB-01 * USB cable, USB-01
Exciting output power supply	DC 5 V.		
Data hold	By push button.		
Data record	Record maximum & minimum readings.		

APPLICATIONS	
* Measure Pneumatic Pressures.	* Hydraulic Servo controls
* Measure Automobile Engine Vacuum Pressures.	* Refrigeration
* Pressure for Super Heat Measurements	* Air conditioning
	* Food Processing

ELECTRICAL SPECIFICATIONS														
Sensor type	2 bar		5 bar		10 bar		20 bar		50 bar		100 bar		400 bar	
	Max. range	Resolution	Max. range	Resolution	Max. range	Resolution	Max. range	Resolution	Max. range	Resolution	Max. range	Resolution	Max. range	Resolution
bar	2	0.002	5	0.005	10	0.01	20	0.02	50	0.05	100	0.1	400	0.5
psi	29	0.02	72.5	0.1	145	0.2	290	0.2	725	1	1450	2	5800	5
Kg/cm ²	2.040	0.002	5.095	0.005	10.19	0.01	20.40	0.02	50.95	0.05	101.9	0.1	408	0.5
mm Hg	1500	2	3750	5	7500	10	15000	20	37500	50	75000	100	300000	500
inch Hg	59.05	0.05	147.6	0.1	295.2	0.2	590.5	0.5	1476	1	2952	2	11810	10
meter H2O	20.40	0.02	50.95	0.05	101.9	0.1	204.0	0.2	509.5	0.5	1019	1	4075	5
inch H2O	802	1	2006	2	4010	5	8020	10	20050	20	40100	50	160600	200
Atmosphere	1.974	0.002	4.935	0.005	9.87	0.01	19.74	0.02	49.35	0.05	98.7	0.1	394.5	0.5

PRESSURE SENSOR, Model : PS100-XXBAR

Description	* Optional, pressure sensor that cooperate with PS-9302. * Out put : 100 mV DC for full scale. * 4 pin DIN plug, 2 pins to accept DC 5 V exciting voltage(power supply) for pressure transducer, another two pins for output signal of 100mV full scale. Size : 30 mm dia. x 85 mm. Weight : 160 g. Pressure Port Connector : PS 1/4" (19 teeth per inch) or 1/4" NPT * Included one adapter connector that convert the 1/4" NPT to 1/4 " PS.	
Model	2 bar sensor	PS100-2BAR
	5 bar sensor	PS100-5BAR
	10 bar sensor	PS100-10BAR
	20 bar sensor	PS100-20BAR
	50 bar sensor	PS100-50BAR
	100 bar sensor	PS100-100BAR
	400 bar sensor	PS100-400BAR

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

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