RS232FAMILY

PRESSURE METER, Model : PS-9302

FEATURES	
* Meter can cooperate with 2, 5, 10, 20, 50, 100, 200 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, 200 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.
	* Separate pressure sensor, easy operation. & remote measurement.
* 8 kind pressure units (bar, psi, Kg/cm2, mm/Hg, inch/Hg, meter/H2O, inch/H2O, Atmosphere) select by push button on the front panel	* Microprocessor circuit assures maximum possible accuracy, provides special functions and features,
* Optional full line presssure sensor (2, 5, 10, 20, 50 bar) are available.	* Super large LCD display with contrast adjustment for best viewing angle.
	* Records maximum & minimum readings with recall.
* Auto shut off saves battery life.	* Data Hold function for stored the desired value on display.
	* Built-in low battery indicator.
* 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.	* RS 232 PC serial interface, can match the personal computer used as the Data Logger, Pressure Recorder.... & other mordern 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	bar, psi, Kg/cm2, mm/Hg, inch/Hg, meter/H inch/H2O, Atmosphere .	Operating temperature	0℃ to 50℃(32℉to 122℉).
Pressure transducer	Optional, exciting voltage DC 5V, Sensor max. range output is DC 100 mV.	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
Transducer mV input signal	Approx 100 mV (Full Scale).	Dimension	180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch).
Exciting out put power supply	DC 5 V.	Accessories included	* Pressure sensor with cable & plug..1 PC * Instruction manual....................1 PC
Data hold	By push button.	Optional accessories	Pressure sensor....................PS100-xxBAR
Data record	Record maximun & mininum readings.		Hard carrying case..............CA-06
Data output	RS 232 PC serial interface.		Soft carrying case CA-03

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

ELECTRICAL SPECIFICATIONS

Sensor type	2 bar		5 bar		10 bar		20 bar		50 bar		100 bar		200 bar	
	Max. range	Reso-luion	Max. range	Reso-luion	Max. range	Reso-luion	Max. range	Reso-luion	Max. range	Reso-luion	Max. range	Reso-luion	Max. range	Reso-luion
bar	2	0.002	5	0.005	10	0.01	20	0.02	50	0.05	100	0.1	200	0.2
psi	29	0.02	72.5	0.1	145	0.2	290	0.2	725	1	1450	2	2900	2
Kg/cm2	2.040	0.002	5.095	0.005	10.19	0.01	20.40	0.02	50.95	0.05	101.9	0.1	204.0	0.2
mm/Hg	1500	2	3750	5	7500	10	15000	20	37500	50	75000	100	150000	200
inch/Hg	59.05	0.05	147.6	0.1	295.2	0.2	590.5	0.5	1476	1	2952	2	5905	5
meter/HO	20.40	0.02	50.95	0.05	101.9	0.1	204.0	0.2	509.5	0.5	1019	1	2040	2
inch/H2O	802	1	2006	2	4010	5	8020	10	20050	20	40100	50	80200	100
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	197.4	0.2

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.
Model	2 bar sensor PS100-2BAR
	5 bar sensor PS100-5BAR
	10 bar sensor PS100-10BAR
	20 bar sensor PS100-20BAR