

## 2. SPECIFICATIONS

### 2-1 General Specifications

Circuit	Microprocessor LSI circuit.	
Display	13 mm(0.5") Super large LCD. Dual function meter's display.	
Display Units	BAR, psi, cm/Hg, meter/H <sub>2</sub> O and Atmosphere	
Zero Adjust	Push button on the front panel.	
Span Adjust	Multi-turns potentiometer in the battery compartment.	
Pressure Sensor Exciting Voltage	DC 5 V.	
Data Hold	By push button.	
Data Record	Records for Maximum and Minimum readings	
Power off	Auto shut off, saves battery life, Or manual off by push button.	
Sampling Time	Approx. 0.8 second.	
Data Output	RS 232 PC serial interface.	
Operating Temperature Humidity	Temperature	Humidity
	-10 to 30 °C	0 to 90% R.H.
	31 to 40 °C	0 to 75% R.H.
	41 to 50 °C	0 to 45% R.H.
Temp. Coefficient of Span	1% Span (0 to 50 °C)/max.	
Accuracy	± ( 1 % + 2 d ) * After calibration, Calibrating Temp. at Temp. 23 °C typically. * Spec. tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.	
Port Connector for the sensor	1/2" NPT.	
Measured Materials Compatibility	The Pressue/Vacuum Adapter is compatible with industrial gases and liquids that are compatible with 316 stainless steel.	

Pressure Overload	50 psi
Battery	Standard 9V battery (006P, 6F22 or NEDA #1604), heavy duty type.
Power Current	Approx. DC 8.5 mA.
Weight	Instrument : 245 g/0.54 LB .
	Sensor : 139 g/0.31 LB.
Dimension	Main instrument: 180x72x32 mm (7.1x2.8x1.3 inch).
	Pressure Sensor : 55 mm x 30 mm Dia.
Included	Instruction manual.....1 PC 30 psi pressure sensor.....1 PC Carrying case..... 1 PC

**2-2 Electrical Specifications**

	Max. Pressure Capacity	Resolution
BAR	2.07	0.01
psi	30.0	0.1
cm/Hg	155	1
meter/H2O	21.1	0.1
atmosphere	2.04	0.01

**3. TYPICAL APPLICATION**

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