

psi, KPa, in-Hg, cm-Hg, DC mV output

PRESSURE ADAPTER

Model : PS-403

ISO-9001, CE, IEC1010

www.yalab.com.tw

02-2389-0101



Lutron

www.YaLAB.com.tw

The Art of Measurement

psi, KPa, in-Hg, cm-Hg, DC mV output

PRESSURE ADAPTER

Model : PS-403

www.YaLAB.com.tw 02-2389-0101

SPECIFICATION

Range	Pressure	psi	0.5 to 500 psi
		kPa	3.447 to 3447 kPa
	Vacuum	in-Hg	0 to 29.99 in-Hg
		cm-Hg	0 to 76 cm-Hg
Accuracy * After Calibration * Temp. 23± 5 °C	kPa	3.5 to 1724 kPa : ± (1 % + 3.5 kPa)	
		1725 to 2413 kPa : ± (2 % + 3.5 kPa)	
		2414 to 3447 kPa : ± (5 % + 3.5 kPa)	
	psi	0.5 to 250 psi :± (1 % + 0.5 psi)	
		251 to 350 psi : ± (2 % + 0.5 psi)	
351 to 500 psi : ± (5 % + 0.5 psi)			
cm-Hg	0-76 cm-Hg : ± (5 % + 1.3 cm-Hg)		
in-Hg	0 to 29.99 in-Hg ± (1 % + 0.5 in-Hg)		
Output Signal	kPa	1 kPa/1 mV	
	psi	1 psi/1 mV	
	cm-Hg	1 cm-Hg/1 mV	
	in-Hg	1 in-Hg/1 mV	
Zero adjust.	Adjust Potentiometer on the front panel.		
Pressure Port Connector	1/4" PS		
Meter input Impedance	10 Meg ohm (If the meter input impedance is 1 Meg ohm, then ad 0.5% to basic accuracy specification.)		
Max. working Pressure	500 psi		
Temperature Coefficient of Span	1% Span (0 to 50 °C)/max.		
Operating Temperature/ Humidity	Temperature	Humidity	
	-10 to 10 °C	0 to 90% R.H.	
	11 to 30 °C		
	31 to 40 °C	0 to 75% R.H.	
41 to 50 °C	0 to 45% R.H.		
Measured Materials Compatibility	The Pressue/Vacuum Adapter is compatible with industrial gases and liquids that are compatible with 316 stainless steel. To determine the compatibility of a liquid or gas, refer to manufacture's specifications. When making measurements, be make sure that liquids or gases in those systems are compatible. If they are not, contamination or damage to the Pressure Adapter may result.		
Battery	Standard 9V battery (006P, 6F22 or NEDA ± 1604), heavy duty type.		
Power Consumption	Approx. DC 1.2 mA.		
Weight	285 g/0.63 LB - included pressure sensor.		
Size	Main instrument : 10 x 5 x 2.5 cm Pressure Sensor : 55 mm x 30 mm Dia.		
Cable Length	Approx. 1 meter/3.3 feet.		
Accessories Included	Operation manual..... 1 PC		
	500 psi pressure transducer..... 1 PC		

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

PS-403+0604

www.YaLAB.com.tw 02-2389-0101