

Pi600R Series PRESSURE SENSOR

Stainless Steel Pressure Transducer



- **Pressure Ranges –1 to 700bar**
- **Gauge or Absolute Versions**
- **Sealed to IP67 with M12 connector**
- **Excellent Chemical and Abrasion Resistance**
- **Rugged Construction**
- **Wide Choice of Electrical Outputs**
- **Excellent Performance/Price Ratio**

Options Available

Interim Pressure Ranges (Consult Factory)

Manufactured from Different Materials for Different Application Compatibility

Special Output Scaling (Consult Factory)

M12 Connector

Improved accuracy (NL&H) - $<\pm 0.10\%$ or $<\pm 0.05\%$ /span BFUL

Improved accuracy (TZS) - $<\pm 0.02\%$ or $<\pm 0.01\%$ /span/°C (Thermal Zero Shift)

Supplied With Any Instrumentation and Calibrated as a Complete System with Traceable Certificate

DESCRIPTION

The Pi600R series of pressure sensors has been engineered for the measurement of liquid and gas pressures in a diverse range of industrial and specialised applications, including:- Hydraulics, Pneumatics, Agriculture, Marine, Sewage, Gas, Medical, Chemical, Food Processing, Barometers, Dataloggers etc.

Pressure ranges between –1 and 700bar are available in gauge or absolute models with a wide choice of electrical output signals to meet operational requirements.

Constructed from stainless steel with a ceramic diaphragm, the Pi600R series of transducers are extremely rugged yet of compact design.

The Pi600R series can be further complimented by any of our range of instrumentation to offer a complete system, supplied and calibrated from a single source.

Pi600R Series PRESSURE SENSOR

SPECIFICATION

Characteristics	Pi605	Pi642	Units
Pressure Ranges:	-1, -1 - +1, 2, 5, 6, 10, 16, 20, 40, 60, 100, 150, 200, 300, 400, 500, 600, 700		Bar gauge
Rated Output	0.5-4.5V	4-20mA	
Excitation Voltage	5V(regulated)	10-32 (unregulated)	VDC
Input Current	<3	N/a	mA
Output Config	3 wire	2 wire	No. of wires
Accuracy	0.25 (<0.10 or <0.05	optional)	+/- % of rated O/P
Zero balance	<0.1		+/- % of rated O/P
Safe Overpressure	150		Of Pressure Range
Temperature range	Compensated	+20 to +80	°C
	Operating	-20 to +100	°C
Temperature Effect	On Span	<0.010	+/- of Output/°C
	On Zero	<0.040(<0.020 Or<0.010 optional)	+/- of Rated Output/°C
Stability	<0.1 over 12 months		+/- of Rated Output
Input Resistance	1100	n/a	ohms
Output Resistance	1100	n/a	ohms
Insulation	>500		Meg ohms at 50vDC
Media Compatability	Any media Compatible with 316	L St St, Alumina & Seal of choice	
Weight	100		Grams
Protection	I.P. 67 with M12 connector		

