

Pi600 Series PRESSURE SENSOR

Stainless Steel Pressure Transducer



- **Pressure Ranges 0.25 to 700bar**
- **Gauge or Absolute Versions**
- **Sealed to IP65 (Plug & Socket) or IP66/68 (Cable)**
- **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)

6-Pin Bayonet connector or DIN43650 Plug & Socket (Hirschmann)

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

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 Pi600 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 250mbar 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 Pi600 series of transducers are extremely rugged yet of compact design.

The Pi600 series can be further complimented by any of our range of instrumentation to offer a complete system, supplied and calibrated from a single source.

Pi600 Series PRESSURE SENSOR

SPECIFICATION

Characteristics	Pi607/Pi610	Pi605	Pi6010	Pi642	Units
Pressure Ranges:	0.25, 0.5, 1, 1.6	2.5,10,16,20,35,50	100, 200, 250, 400	600, 700	Bar (gauge or abs)
Rated Output	2mV/V / 10mV/V	0.5-4.5V	0-10V	4-20mA	
Excitation Voltage	2-2(regulated)	5V(regulated)	13-32 (unregulated)	13-32 (unregulated)	VDC
Input Current	<3	<3	<4	N/a	mA
Output Config	4 wire	3 wire	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. 65 with plug and	Socket or I.P. 66	With cable		

All dimensions in mm

