

# Pi600M Series PRESSURE SENSOR



## Stainless Steel Pressure Transducer

- **Pressure Ranges 1 to 700bar**
- **Gauge or Absolute Versions**
- **Sealed to IP68**
- **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)

Extended cable lengths

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

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

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

## DESCRIPTION

The Pi600M 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, Gas, Medical, Chemical, Food Processing, Barometers, Data loggers etc.

Pressure ranges between 1 bar and 700 bar 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 Pi600M series of transducers are extremely rugged yet of compact design.

The Pi600M series can be further complimented by any of our range of instrumentation to offer a complete system, supplied and calibrated from a single source.

# Pi600M 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	2-10 (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 Or -10 to +40			°C
	Operating	-20 to +100			°C
Temperature Effect	On Span	<0.015			+/- 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. 68				

### All dimensions in mm

