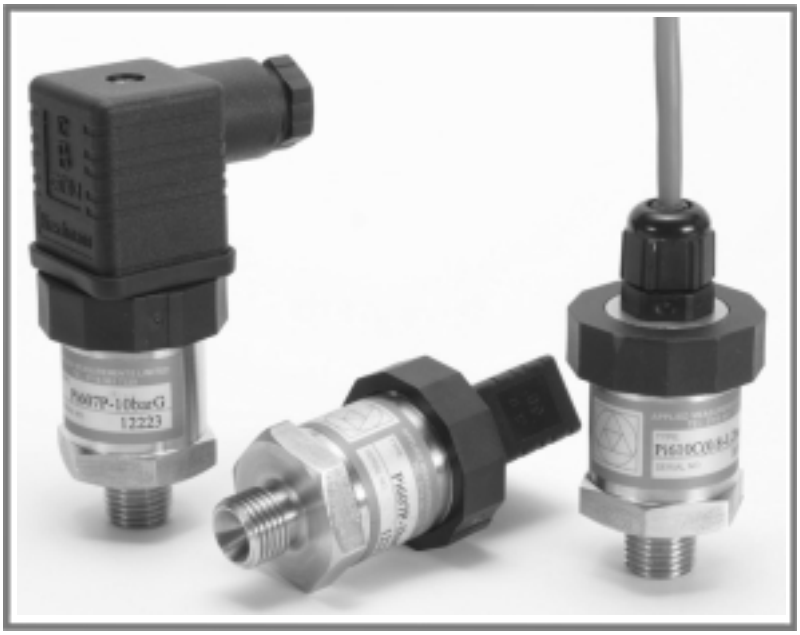
Low Range Stainless Steel
Amplified & Non-Amplified Output

PRESSURE SENSOR

Pi600
Series



- **Pressure Ranges 10mbar 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

316 Stainless Steel case

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 10mbar 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 (316 Stainless Steel diaphragm below 500mbar), 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.

Transducer Specialists...

APPLIED MEASUREMENTS LIMITED

3 MERCURY HOUSE - CALLEVA PARK - ALDERMASTON - BERKSHIRE - RG7 8PN - UK

Tel: (+44) 0118 981 7339 Fax: (+44) 0118 981 9121 email: info@appmeas.co.uk Internet: www.appmeas.co.uk

SPECIFICATION

CHARACTERISTICS	Pi607/Pi610	Pi605/Pi645	Pi6010	Pi642	UNITS
Pressure Ranges:	0.01, 0.05, 0.1, 0.16, 0.25, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 400, 600, 700				bar (Gauge or Abs)
Rated Output:	2mV/V / 10mV/V	0-5V/0.5-4.5V	0-10V	4-20mA	±1%/Span
Excitation Voltage:	2-32 (regulated)*	10-32/5 (reg)	13-32	10-32	Vdc (un-regulated unless stated)
Input Current:	<3	<4	<4	n/a	mA
Output Configuration (No. of Wires):	4	3	3	2	
Response Time:	<1	<10			milliseconds
Combined Error (Accuracy):	<0.25 (<0.10 option on all ranges, <0.05 option on ranges down to 0.5bar)**				±% of Rated Output
Zero Balance:	<1.0				±% of Rated Output
Safe Overpressure:	150				% of Pressure Range
Temperature Range Compensated:	+20 to +80				°C
Operating:	-20 to +135				°C
Temperature Effect On Span:	<0.015				±% of Output/°C
On Zero:	<0.04 (<0.02 optional on all ranges, <0.01 option on ranges down to 0.5bar)				±of Rated Output/°C
Stability:	<0.1 over 12 months				±% of Rated Output
Input Resistance:	<11000	<500			ohms
Output Resistance:	<11000/200 nom.	<500			ohms
Insulation Resistance:	>500				Megaohms at 50Vdc
Media Compatibility:	Any media compatible with Al_2O_3 Alumina Ceramic, Stainless Steel & seal of choice (Viton, NBR or EPDM available) - Note: No Ceramic below 500mbar				
Weight:	100				grams
Environmental Protection:	IP65 (plug & socket) or IP66 with 2m cable (standard) (IP68*** cable optional)				

* 10Vdc nominal excitation. Please advise on order if transducer is to be used with 28-32Vdc excitation

** Combined Error (Accuracy) is the combined error caused by the effects of Non-Linearity, Hysteresis and Repeatability

*** IP68 rated to 1 metre depth maximum

All dimensions in mm