

Amplified Output BAROMETRIC / ATMOSPHERIC PRESSURE SENSOR

Pi600B
Series



- Pressure Ranges 750 to 1250mbar Absolute
- Sealed to IP65 (Plug & Socket) or IP66/68 (Cable)
- Rugged Construction
- Wide Choice of Electrical Outputs
- Excellent Performance/Price Ratio
- 3 YEAR WARRANTY

Options Available

Manufactured from Different Materials for Different Application Compatibility

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

Improved accuracy (NL&H) - $< \pm 0.10\%$ /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 or High Grade Stainless Steel Case

DESCRIPTION

The Pi600B series of barometric / atmospheric pressure sensors has been engineered for the measurement of barometric / atmospheric pressure in almost any application.

The pressure range is 750mbar to 1250mbar absolute with a wide choice of electrical output signals to meet operational requirements.

Constructed from stainless steel, the Pi600 series of transducers are extremely rugged yet of compact design suitable for a range of operating environments.

The Pi600B 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

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SPECIFICATION

CHARACTERISTICS	Pi605B/Pi645B	Pi6010B	Pi642B	UNITS
Pressure Ranges:	750-1250			Millibar Absolute
Rated Output:	0-5V/0.5-4.5V	0-10V	4-20mA	± 1%/Span
Excitation Voltage:	10-32/5 (reg)	13-32	10-32	Vdc (un-regulated unless stated)
Input Current:	<4	<4	n/a	mA
Output Configuration (No. of Wires):	3	3	2	
Response Time:	<10			milliseconds
Combined Error (Accuracy):	<0.25 (<0.10 optional)*			± % of Rated Output
Zero Balance:	<1.0			± % of Rated Output
Safe Overpressure:	150			% of Pressure Range
Temperature Range Compensated:	+20 to +80			°C
Media:	-20 to +135			°C
Temperature Effect On Span:	<-0.015			% of Output/°C
On Zero:	<0.04 (<0.02 optional)			± of Rated Output/°C
Stability:	<0.1 over 12 months			± % of Rated Output
Input Resistance:	<500			ohms
Output Resistance:	<500			ohms
Insulation Resistance:	>500			Megaohms at 50Vdc
Media Compatibility:	Any media compatible with Stainless Steel & seal of choice (Viton, NBR or EPDM)			
Weight:	100			
Environmental Protection:	IP65 (plug & socket) or IP66 with 2m cable (standard) (Ip68 cable optional)			Grams

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

All dimensions in mm

