

PXG Pressure Transmitter Series

Universal Pressure Transmitter

Features:

- 316L stainless steel diaphragm structure - separates the measuring medium from the pressure sensor
- Rugged enclosure can withstand harsh environments; IP65 rating
- Compact, lightweight design
- Easy to setup, easy to operate
- Full range of models and connections
- Shock and vibration resistance
- Strong anti-interference for enhanced stability
- NIST Traceable Certificate available

Applications:

- Process Automation/Controls
- Pump Monitoring
- HVAC
- Water and Wastewater
- Agriculture
- Oil and Gas
- Pipeline Monitoring
- Medical/Pharma
- Food Processing



The PX Universal Pressure Transmitters use a diffused silicon pressure sensor to sense an applied pressure. Through internal application-specific integrated circuits (ASIC), a millivolt signal is converted and transmitted into a standardized electrical output signal, such as 4-20 mA. This output can be directly used by control systems or data acquisition equipment (such as Monarch Instrument's DataChart™ DC1250). The compact, lightweight design is easy to install. Simply connect the PX Pressure Transmitter directly to a computer interface card, control instrument, smart meter, or PLC. Long-distance transmission can use current output.

The PX Pressure Transmitters can be ordered in various pressure ranges, and multiple electrical connections are available (see back for details). The IP65 rated 316L stainless steel enclosure is ideal for harsh, corrosive environments and comes standard with a threaded 1/4" NPT pressure connection.

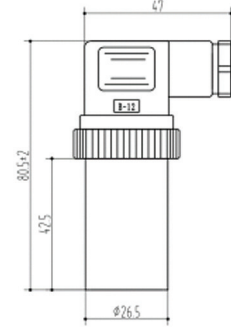


Track-It™ Pressure Transmitter

Specifications*	PX Series of Pressure Transmitters
Measurement:	
Pressure Ranges	0-35, 0-150, 0-350, 0-850 PSI
Pressure Reference	Gauge or Sealed Gauge depending on pressure range; Absolute also available
Accuracy	0.5% FS
Hysteresis	0.1% FS
Repeatability	0.1% FS
Temperature Drift	±1.5% FS (-20 °C to 85 °C)
Response Time	≤1ms (up to 90% FS)
Overpressure	200% FS
Port Connection	¼" Male NPT
Temperature:	
Ambient Temperature	-20 °C to 85 °C/-4 °F to 185 °F
Medium Temperature	-30 °C to 105 °C/-22 °F to 221 °F
Storage Temperature	-40 °C to 125 °C/-40 °F to 257 °F
General:	
Power Requirement	12 to 30 V dc
Output†	4-20 mA
Electrical Connection†	4-Pin DIN 43650 Form C or M12
Enclosure	316L stainless steel body with IP65 connector options
Weight	.33 to 0.40 lbs./150 to 180 g
Safety/Environmental	CE Compliant

*Specifications are subject to change without notification.

†Other Pressure Ranges, Output option, and Electrical Connections are available upon request.



Ordering Information

PN	Model	Description
5810-01-0-D	PXG-35-0-D	Pressure Transmitter Gauge, 0-35 PSI, ¼" NPT, 4-20 mA output, DIN 43650 connection
5810-01-0-M	PXG-35-0-M	Pressure Transmitter Gauge, 0-35 PSI, ¼" NPT, 4-20 mA output, M12 connection
5810-02-0-D	PXG-150-0-D	Pressure Transmitter Gauge, 0-150 PSI, ¼" NPT, 4-20 mA output, DIN 43650 connection
5810-02-0-M	PXG-150-0-M	Pressure Transmitter Gauge, 0-150 PSI, ¼" NPT, 4-20 mA output, M12 connection
5810-03-0-D	PXG-350-0-D	Pressure Transmitter Gauge, 0-350 PSI, ¼" NPT, 4-20 mA output, DIN 43650 connection
5810-03-0-M	PXG-350-0-M	Pressure Transmitter Gauge, 0-350 PSI, ¼" NPT, 4-20 mA output, M12 connection
5810-04-0-D	PXS-850-0-D	Pressure Transmitter Sealed Gauge, 0-850 PSI, ¼" NPT, 4-20 mA output, DIN 43650 connection
5810-04-0-M	PXS-850-0-M	Pressure Transmitter Sealed Gauge, 0-850 PSI, ¼" NPT, 4-20 mA output, M12 connection

NIST Traceable Certificate is available on all models: add -CAL suffix to any PN above (i.e., 5810-03-0-D-CAL).

Other models (including Absolute) are available upon request.

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