

P5 Series Universal Pressure Sensor

5", 10", and 25" versions with four selectable sub-ranges
 1250, 2500, 6250 Pa versions with four selectable sub-ranges
 Optional LCD display and LED indicator
 Dual 0-5/10VDC, 4-20mA (loop and 3-wire)



Versatile probe for duct or remote mount included. Save on probe expense.

DESCRIPTION

The P5 universal dry media pressure transmitter accurately measures multiple ranges optimized for building (zone) pressure, filter measurement, and static duct applications. Selectable outputs and uni/bi directional readings reduce inventory. Innovative static probe integrates with unit or can be mouted remotely for static pressure. Optional LCD for panel mount readings and set up.

APPLICATIONS

- Building (zone) pressure
- Filter condition measurement
- Duct/static

PATENT PENDING

FEATURES

Reduce inventory and ordering errors with universal unit

- Selectable 4-20 mA loop powered, 4-20 mA 3-wire, 0-5VDC, 0-10VDC for compatibility
- Zero calibration push button and remote contact input
- Designed for duct, filter, and remote probe applications in a single universal unit
- Probe is compatible with both 1/8" and 1/4" ID hose

Time & money saving installation for contractors and OEMs

- Non-position sensitive for easy placement
- Dual DIN mount: Side mount for high density OEM applications, flat panel mount for LCD viewable panel mount.
- Conduit ready for for 3/8" flex connectors
- Post mountable with mounting tab indents and wire ties

LED visual status indications of operation

- LED: Power heartbeat, momentary rapid flash = auto-zero complete, continual rapid flash = 110% over pressure
- LED facilitates locating sensor in ductwork



7 year limited warranty

ORDERING



Pressure Range

- 0100 = 0-1" w.c. (w/subranges)
- 0500 = 0-5" w.c. (w/subranges)
- 0501 = 0-5" w.c. (w/subranges)
- 1000 = 0-10" w.c. (w/subranges)
- 2500 = 0-25" w.c. (w/subranges)
- 1250Pa = 0-1250Pa (w/subranges)
- 2500Pa = 0-2500Pa (w/subranges)
- 6250Pa = 0-6250Pa (w/subranges)

Accuracy

1 = 1% of selected range

Display

L = LCD
X = No Display

Duct Probe

P = Duct Probe
X = No Probe

Example part number P5-0500-1LP is universal pressure sensor, 0-5" full scale range (selectable sub-ranges) with LCD and Duct Probe.



SPECIFICATIONS

Power Supply	12-30VDC/24VAC(1), 30mA max
Output type	Selectable outputs 4-20mA loop powered, 4-20 mA 3-wire, 0-5VDC, 0-10VDC
Output scaling	P5-0100 0-1" (Selectable 0.1, 0.25, 0.5, 1.0, ±0.1, ±0.25, ±0.5, ±1.0" WC)
	P5-0500 0-5" (Selectable 0.1, 0.25, 2.5, 5.0, ±0.1, ±0.25, ±2.5, ±5.0" WC)
	P5-0501 0-5" (Selectable 0.5, 1.0, 2.5, 5, ±0.5, ±1.0, ±2.5, ±5" WC)
	P5-1000 0-10" (selectable 1.0, 2.5, 5.0, 10, ±1.0, ±2.5, ±5.0, ±10" WC)
	P5-2500 0-25" (selectable 5.0, 10, 15, 25, ±5.0, ±10, ±15, ±25" WC)
	P5-1250Pa 0-1250 Pa (selectable 25, 50, 625, 1250, ±25, ±50, ±625, ±1250 Pa)
P5-2500Pa 0-2500 Pa (selectable 250, 625, 1250, 2500, ±250, ±625, ±1250, ±2500 Pa)	
P5-6250Pa 0-6250 Pa (selectable 1250, 2500, 3750, 6250, ±1250, ±2500, ±3750, ±6250 Pa)	
Operating Temperature	Operating range -4 to 140F (-20 to 60°C)
	Compensated range -4 to 140F (-20 to 60°C)
Media compatibility	Dry, oil-free air, N2
Sensor Type	MEMS silicon piezoresistive; precision calibrated
Sensor Performance	Accuracy ±1.0% of selected range (combined linearity and hysteresis)
	Zero Tolerance Included in accuracy specification
	Span Tolerance ±1.00%
	Zero Drift (1 year) 0.004"WC/year max. 0.4% for units >0.5" w.c.
	Thermal Shift (Zero Overpressure) 0.02% FSO/°C (0.01%FSO/°F) measured from 22°C (72°F)
	Max Static Line up to 5" models: 41.5" w.c.; 10" models: 133" w.c.; 25" models: 332" w.c.
	Burst Pressure up to 5" models: 83" w.c.; 10" models: 166" w.c.; 25" models: 415" w.c.
	Position Sensitivity Non-position sensitive
Auto-zero input Push-button and N.O. contact closure	
Agency Compliance	CE, RoHS

Additional Remote probe

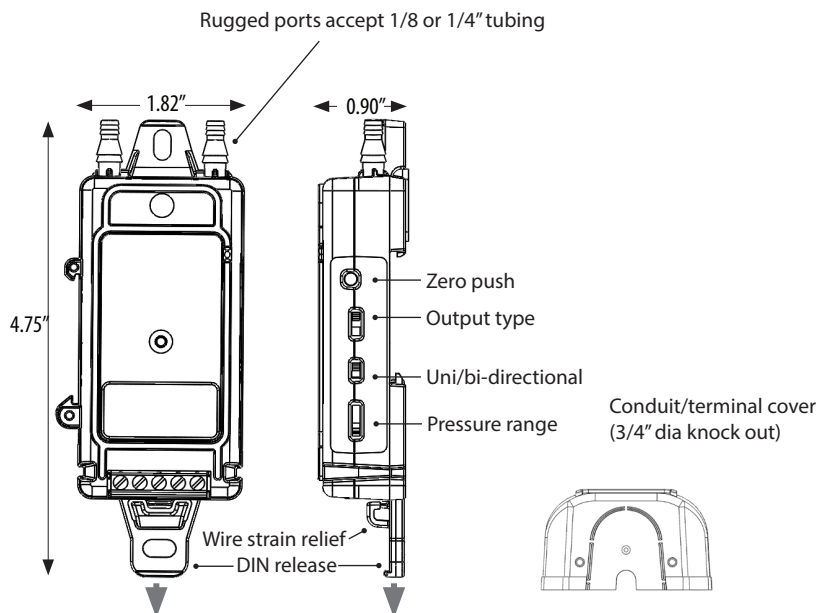
RP-6 Remote/duct probe, 6"

- RP-6 remote probe with integrated dampener for accurate measurements.
- Accepts both 1/8" and 1/4" tubing.
- Note: One probe is standard with product



(1) One side of transformer secondary is connected to signal common. Dedicated transformer is recommended.

DIMENSIONS



Warning: Refer to installation instructions that accompany product and heed all safety instructions.