

## P4 Precision Series

# P4 Precision Dry Pressure

Precision calibrated 0.25% and 0.50% accuracy models  
 Standard industry leading 7-point NIST certification  
 LCD display option  
 LED status indication and Zero push button and contact closure  
 PATENT PENDING

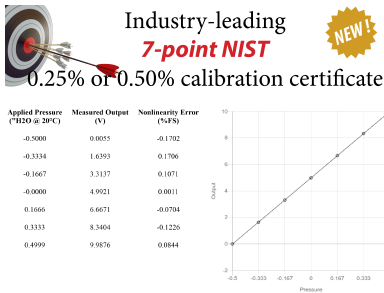


### DESCRIPTION

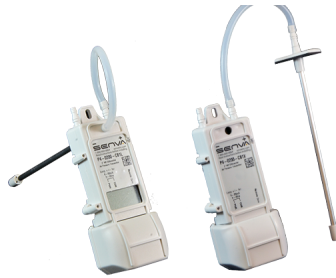
Now with NIST calibrated 0.25% and 0.50% accuracy options, the P4 dry media pressure transmitter features fixed ranges optimized for building (zone) pressure, filter measurement, and static duct applications. Innovative static probe integrates with unit or can be mounted remotely for static pressure. PATENT PENDING. CALL FOR SPECIAL PRICING

### APPLICATIONS

- Building (zone) pressure
- Filter condition measurement
- Duct/static
- OEM HVAC
- Meets 0.25% or 0.5% accuracy specs



Precision NIST calibration



Innovative Probe transforms for duct or remote applications



Conduit Ready

### FEATURES

- 7-point NIST certificate; more accuracy points than any competitor
- 0.25% and 0.50% accuracy versions available from 0.25" to 25" W.C.
- Precision calibrated, temperature compensated, non-position-sensitive pressure element
- Versatile duct, filter, or remote mounting; address all with a single unit with RP-6 probe addition
- DIN mount - forward for LCD panel or sideways for panel space savings
- 0-5VDC/10VDC or 4-20 mA loop & 3 wire powered versions
- Conduit cover for 3/8" flex connectors
- LED facilitates locating sensor in ductwork

ORDERING

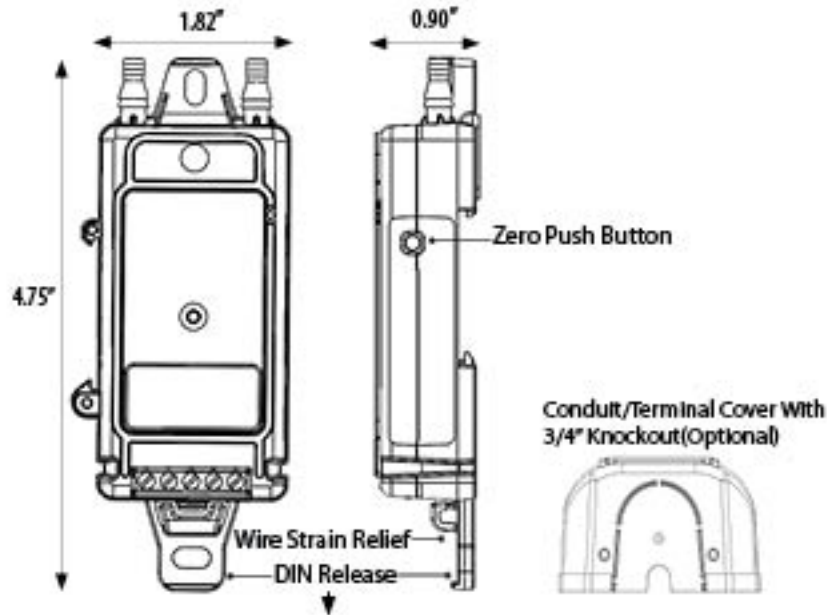
<p><b>P4</b> - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/> - <input type="checkbox"/></p> <p><b>Fixed Range*</b></p> <p>0005 = 0-0.05 "w.c.    0025Pa = 0-25 Pa          0010 = 0-0.10 "w.c.    0050Pa = 0-50 Pa          0025 = 0-0.25 "w.c.    0100Pa = 0-100 Pa          0050 = 0-0.50 "w.c.    0300Pa = 0-300 Pa          0100 = 0-1.0 "w.c.    0500Pa = 0-500 Pa          0150 = 0-1.5 "w.c.    1000Pa = 0-1000 Pa          0250 = 0-2.5 "w.c.    1600Pa = 0-1600 Pa          0300 = 0-3.0 "w.c.    2500Pa = 0-2500 Pa          0500 = 0-5.0 "w.c.    3000Pa = 0-3000 Pa          0750 = 0-7.5 "w.c.    5000Pa = 0-5000 Pa          1000 = 0-10 "w.c.          1500 = 0-15 "w.c.          2500 = 0-25 "w.c.          5000 = 0-50 "w.c.</p>	<p><b>Output</b></p> <p>A = 0-5VDC, 3-Wire          B = 0-10VDC, 3-Wire          C = 4-20mA, 2-wire          D = 4-20mA, 3-wire</p>	<p><b>Uni or Bi</b></p> <p>U = Uni-directional          B = Bi-directional</p>	<p><b>Accuracy**</b></p> <p>1 = 1.00% of range          2 = 0.25% of range NIST          5 = 0.50% of range NIST</p>	<p><b>Display</b></p> <p>L = LCD          X = No Display</p>	<p><b>Duct Probe</b></p> <p>P = Duct Probe          X = No Probe</p>
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*Example part number P4-0500-CU2LP is 4-20mA (2-wire), 0.25% accuracy, uni-directional 0-5" WC sensor with LCD display and Duct Probe.*

*\*Other Fixed Ranges Available Upon Request (mmwc, etc), Please Consult Factory*

*\*\*0.25% accuracies available n 0.5"w.c. and greater, 0.5% accuracy available on 0.1"w.c. and greater (or equivalent Pa ranges)*

DIMENSIONS



**SPECIFICATIONS**

SPECIFICATIONS

Power Supply		12-30VDC/24VAC(1), 30mA max
Output type	Outputs Available	4-20mA loop powered, 4-20 mA 3-wire, 0-5VDC, 0-10VDC
Fixed Ranges	Multiple Fixed Ranges (Inches of w.c. and Pascals)	0.1"w.c. up to 25"w.c. models 1250 Pa up to 6250 Pa models
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 1.00%	±1.00% of range
	Accuracy 0.25%(2)	±0.25% of range; 7-point NIST calibrated
	Accuracy 0.50%(2)	±0.50% of range; 7-point NIST calibrated
	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.
	Auto-zero input	Push-button and contact closure
	Thermal Shift (Zero and Span)	0.02% FSO/°C (0.01%FSO/°F) measured from 22°C (72°F)
	Overpressure	up to 5" models: 41.5"w.c.; 10" models: 133"w.c.; 25" models: 332"w.c.
	Max Static Line Pressure	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	
Agency	Compliance	CE, RoHS
Enclosure	Flammability	UL94 5VB
	Environmental	NEMA 1

\* Product improvement is a continual process as Senva and product features and specification may change without prior notice. Refer to instructions that accompany the product for installation and wiring.