

P4 Value Series

P4 Value Dry Pressure

Range: 0.1 to 25" W.C.
 0-5VDC/10VDC or 4-20 mA loop & 3-wire powered versions
 LCD option & LED status indication
 Remote & manual zero function
 PATENT PENDING



DESCRIPTION

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.

APPLICATIONS

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



Innovative probe transforms for duct or remote applications



High density DIN mounting saves valuable panel space



Conduit ready

FEATURES

- Duct, filter, and room pressure with a single unit with RP-6 probe addition
- LCD option for set-up and reference
- Non-position sensitive for easy placement accuracy
- 0-5VDC/10VDC or 4-20 mA loop or 3-wire powered versions
- DIN mount flat or side to conserve panel space
- Conduit cover for 3/8" flex connectors...no extra parts required
- LED: Power heartbeat, auto-zero complete, 110% over pressure; facilitates locating sensor in ductwork

ORDERING

P4



Fixed Range*

- | | |
|---------------------|--------------------|
| 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. | |



Output

- A = 0-5VDC, 3-Wire
- B = 0 -10VDC, 3-Wire
- C = 4-20mA, 2-wire
- D= 4-20mA, 3-wire



Uni or Bi

- U = Uni-directional
- B = Bi-directional



Accuracy**

- 1= 1.00% of range
- 2 = 0.25% of range NIST
- 5 = 0.50% of range NIST



Display

- L = LCD
- X = No Display



Duct Probe

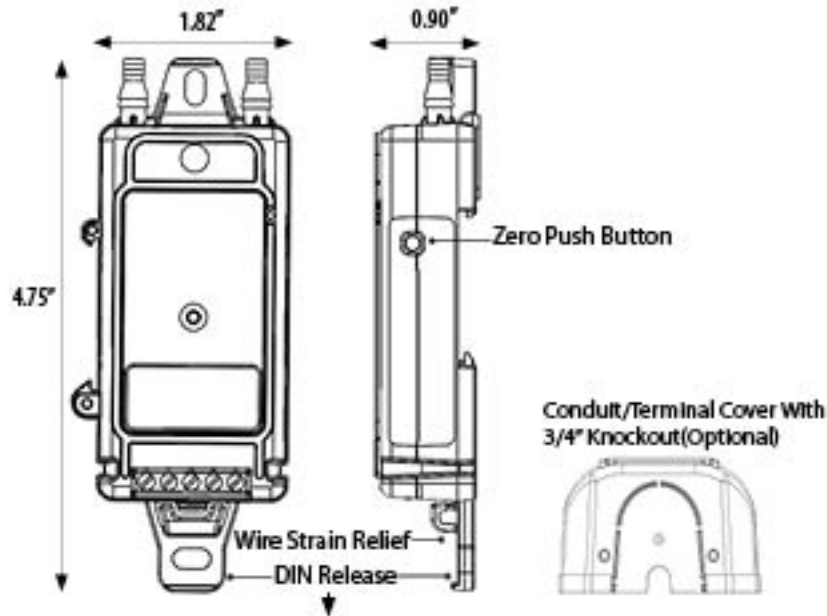
- P = Duct Probe
- X = No Probe

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		
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.