

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
PATENTED DESIGN













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. PATENTED DESIGN

APPLICATIONS

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



Probe transforms for duct or remote applications. Made in USA. 7yr warranty!



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

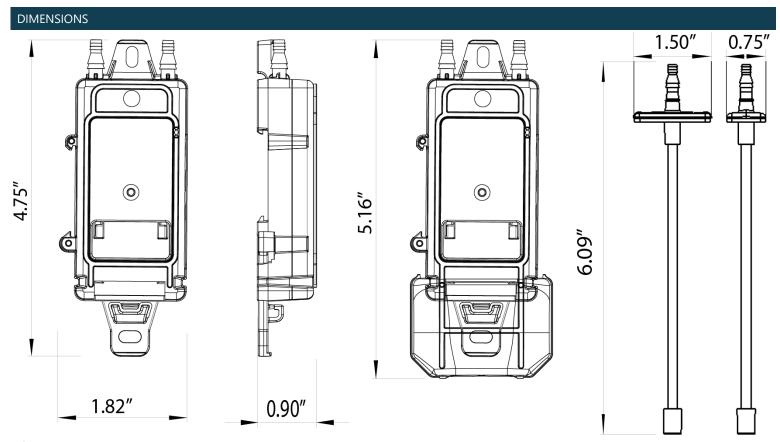


ORDERING

5000 = 0-50 "w.c.

P4	-	-					
Fixed Range*		Output	Uni or Bi	Accuracy**	Display	Duct Probe	
0010 = 0025 = 0050 = 0100 = 0150 = 0250 = 0300 =	= 0-0.05 "W.C. = 0-0.10 "W.C. = 0-0.25 "W.C. = 0-0.50 "W.C. = 0-1.5 "W.C. = 0-2.5 "W.C. = 0-3.0 "W.C. = 0-5.0 "W.C.	0025Pa = 0-25 Pa 0050Pa = 0-50 Pa 0100Pa = 0-100 Pa 0300Pa = 0-300 Pa 0500Pa = 0-500 Pa 1000Pa = 0-1000 Pa 1600Pa = 0-1600 Pa 2500Pa = 0-2500 Pa 3000Pa = 0-3000 Pa	A = 0-5VDC, 3-Wire B = 0 -10VDC, 3-Wire C = 4-20mA, 2-wire D= 4-20mA, 3-wire	U = Uni-directional B = Bi-directional	1= 1.00% of range 2 = 0.25% of range NIST 5 = 0.50% of range NIST N = 1.00% of range NIST	1	P = Duct Probe X = No Probe
0750 =	= 0-7.5 "w.c.	5000Pa = 0-5000 Pa	Example part number P4-05	500-CU2LP is 4-20mA (2-wire)), 0.25% accuracy, uni-directio	nal 0-5" WC sensor with LCD a	lisplay and Duct Probe.
	= 0-10 "w.c. 0-15 "w.c.		*Other Fixed Ranges Availal	ole Upon Request (mmwc, etc)	Plance Consult Factory		
	0-15 W.C. = 0-25 "W.C.				.5% accuracy available on 0.1%	w.c. and greater (or equivaler	nt Pa ranges)





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Warning: The datasheet is designed for reference only. Refer to installation instructions that accompany the product and heed all safety instructions. Product improvement is a continuing process at Senva. Changes may occur to products without prior notice.



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)	0.05"w.c. up to 50"w.c. models		
		25 Pa up to 5000 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 (3)	±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		
Response Rate		8 seconds (4)		
Agency	Compliance	CE, RoHS		
Enclosure	Flammability	UL94 5VB		
	Environmental	NEMA 1		

- (1) One side of transformer secondary is connected to signal common. Dedicated transformer is recommended.
- (2) Accuracy includes non-linearity, hysteresis, and repeatability at 70°F.
- (3) Span tolerance is $\pm 1\% \pm 0.005$ inWC for models less than 0.10 inWC or equivalent pressure range.
- (4) Full scale response time.

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