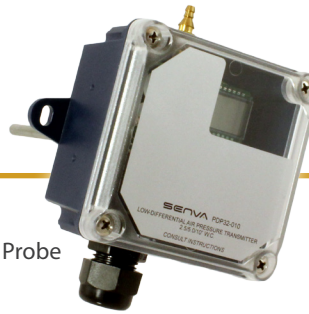


# Probe, duct, panel Static - Differential Pressure

0-25", 0-7000 Pa versions  
Accurate silicon piezoresistive sensor  
LCD display (WC or pascal models)  
Dual 0-5/10VDC and 4-20mA outputs



NEMA 4 Duct Probe  
PDP32



NEMA 4  
PDP31



Panel Mount  
PDP 30

## DESCRIPTION

This PDP series dry media pressure sensors cover up to 0-25" (0-7000pA). The transmitter features field selectable pressure ranges LCD readout for ease of installation. Piezoresistive sensor chip provides accurate and reliable sensing.

## APPLICATIONS

- Static pressure in duct or room, variable air volume system control, and filter status monitoring

## FEATURES

### Integrated, micromachined silicon piezoresistive sensor

- Outstanding sensitivity, linearity, and hysteresis

### Switch-selectable ranges

- Three WC models with three ranges each: 0-10" (Selectable 2.5, 5.0, 10.0"WC) or 0-25" (Selectable 10, 15, 25"WC)
- Three Pa models with three ranges each: 0-2500Pa (0-2500/1250/250"Pa uni-directional only) or 0-7000Pa (Selectable 0-7000 (7000/5000/2500 Pa uni-directional)
- Dual outputs 4-20mA and jumper selectable 0-5V or 0-10V

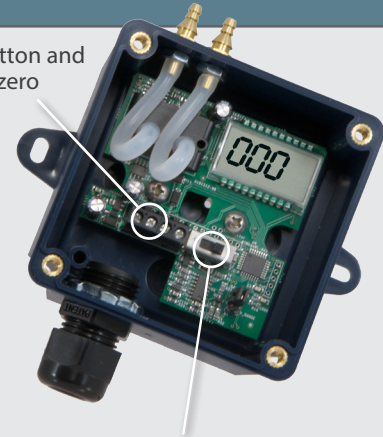
### Easy to install and maintain

- LCD display for easy setup and commissioning
- Auto zero push button input and auto zero control contact for system accuracy
- Dual outputs: 4-20mA and jumper selectable 0-5V or 0-10V

### Three Versatile package styles:

- Open Frame: Panel mount DIN or screw-mount model
- Probe: NEMA 4 with integral duct probe
- Duct: NEMA 4 with brass hose barb fittings

Push button and  
remote zero



Selectable ranges for high  
resolution



7 year limited warranty

**ORDERING**

pkg      p range

**PDP3**

**Package**

0 = Panel Mount  
 1 = NEMA 4  
 2 = NEMA 4 with duct probe

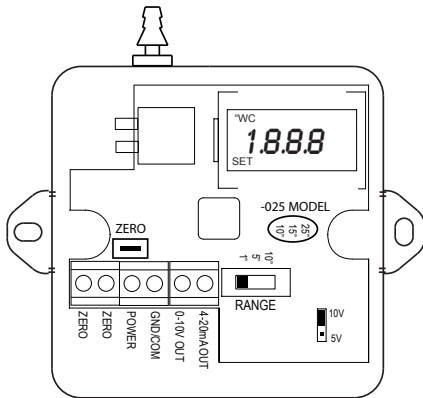
**Pressure Range**

-010 = 0-10" (Selectable 2.5, 5, 10"WC)  
 -025 = 0-25" (Selectable 10, 15, 25"WC)  
 -2500Pa (Selectable 2500, 1250, 250 Pa)  
 -7000Pa (Selectable 7000, 5000, 2500 Pa)

(Write your selected Package and Pressure Range numbers in the boxes above)

**SPECIFICATIONS**

Power Supply	12-30VDC/24VAC(1), 30mA max. (13VDC min for 10V f.s. output)
Output type	Dual outputs 3-wire 0-5/10VDC and 3-wire 4-20mA
Output scaling	Model PDP[XX]-010 0-10" (Selectable 2.5, 5, 10"WC)
	Model PDP[XX]-025 0-25" (Selectable 10, 15, 25"WC)
	PDP[XX]-2500Pa 0-2500Pa (Selectable 2500, 1250, 250 Pa)
	PDP[XX]-7000Pa 0-7000Pa (Selectable 7000, 5000, 2500 Pa)
Operating Temperature	Calibrated range 50 to 140 F (10-60C)
Media compatibility	Dry, oil-free air, N2
Sensor Type	Integrated, micromachined silicon piezoresistive
Sensor Performance	Accuracy(Linearity, hysteresis, temperature) 2.5% f.s.
	Auto-zero input Push-button and contact closure input provided
Enclosure	PDP30-XXX (Duct or Panel Mount) IP65, screw mount, brass hose barb fittings
	PDP31-XXX (Duct or Panel Mount) IP65, screw mount, brass hose barb fittings
	PDP32-XXX (Duct Mount w/pickup tube) IP65, screw mount, brass hose barb fitting and static pickup tube

**TYPICAL WIRING**

**WIRING:**

POWER = Power Supply +  
 GND/COM = Common (power & signal)  
 0-10V OUT = Voltage output 5v/10vdc  
 4-20mA OUT = Current output 4-20mA  
 ZERO = Contact closure input

(PWR and GND required for both Vdc and mA operation)