



## Slimline Electronic Pressure Transmitters

### MIN/S CV Series



- Compact Design for Confined Spaces
- $\pm 0.25\%$  FS Accuracy
- Ranges 10"WC-300 psig, Vacuum & Absolute
- Nema 4X, 3A Sanitary available
- Polyurethane or Teflon FEP cable

**PMC Slimline Electronic Pressure Transmitters (MIN/S)** accurately measure pressure, level, and vacuum in processes where clogging of the diaphragm face is a particular concern. With a body that is only 1 1/16" in diameter and 4" in length, the compact design of this transmitter allows installation in confined spaces that is flush with the inside wall of pipes 2" in diameter and larger. This feature eliminates the usual pocketing problems encountered with conventional flange-mounted and recessed-diaphragm transmitters. PMC incorporates a high-precision ceramic capacitive pressure sensor to ensure accuracy and durability. This type of sensor is ideally suited for high-wear applications. The process pressure is converted to a standard 2-wire 4-20mA output. An electronic voltage-to-current converter is used for signal conditioning and allows accurate calibration by utilizing precision potentiometers on a set of DIP switches. A turndown of up to 5:1 is possible. **The MIN/S Series** of transmitters provides overpressure protection of up to 10 times the full scale range. The CV configuration allows customers to specify custom lengths of cable to be supplied with the transmitter. A choice of vented Polyurethane or Teflon FEP cable is available. Teflon FEP cable offers improved chemical resistance for more demanding applications.

**3A Sanitary version (MIN/S-SAN)** provides your choice of certified sanitary process connections including weld-on nipple, NPT threaded nipple, or Tri-Clamp. **The Standard version (MIN/S)** provides your choice of process connections including weld-on nipple, or NPT threaded nipple with O-ring seals. See the Process Connections Data sheet for a detailed list and description of options.

***Pneumatically Operated Transmitters Also Available***

## STANDARD SPECIFICATIONS

### Full Scale Ranges

0 - 10"WC to 0 - 300 psi gauge  
 ± 10"WC to ± 400"WC Compound  
 0 - 3"Hg to 0 - 30"Hg Vacuum  
 0 - 15 psi to 0 - 150 psi absolute

Ranges below 40"WC, absolute ranges, and/or compound ranges available with ceramic diaphragm only

### Static Accuracy

± 0.25% of Full Scale  
 Combined non-linearity, hysteresis, and repeatability

### Overpressure

10X for Full Scale Ranges up to 15 psi  
 4X for Full Scale Ranges from 15 to 150 psi  
 2X for Full Scale Ranges over 150 psi

### Compensated Temperature Range

-4°F to 175°F (-20°C to 80°C)

### Operating Temperature Range

Ambient: -4°F to 175°F (-20°C to 80°C)  
 Process: -4°F to 250°F (-20°C to 125°C)

### Temperature Effects

Thermal Zero Shift: ±0.010%/°C  
 Thermal Span Shift: ± 0.004%/°C

### Electrical

Output: 2-wire, 4-20 mA  
 Supply Voltage: 24 VDC nominal supply

### Zero Setting

± 5% FS, potentiometer adjustment

### Span Setting

± 15% FS, potentiometer adjustment

### Cable

CV/P - 10' Polyurethane  
 CV/T - 10' Teflon FEP

PMC adopts a continuous development program which sometimes necessitates specification changes without notice.

## ORDERING INFORMATION

# MIN/S CV Series Slimline Electronic Pressure Transmitters

When ordering please specify the following:

MODEL PMC - MIN/S	
SAN	Sanitary version
	Standard version
Range	Specify psi, " WC, bar, absolute, gauge, etc.
Diaphragm	
Cer	Ceramic
Termination	
CV/P	Polyurethane Cable
CV/T	Teflon FEP Cable

(1) Select (2) Specify (3) Select (4) Select

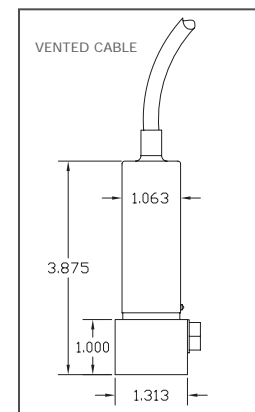
### Order Code Example: PMC-MIN/S-300psig-Cer-CV/P

- (1) Model: PMC-MIN-S
- (2) Range: 300 psi gauge
- (3) Diaphragm Material: Ceramic
- (4) Electrical Termination: SS cover with 10' Polyurethane cable

## OPTIONS

- Remote Electronics
- LCD Display
- Submersible Versions
- Process Connections  
Sanitary, Flush-Mount, Tri-Clamp, Flange and Threaded Process Connections available

Contact PMC for other options and accessories



All measurements shown in inches

HEAD OFFICE



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