



Slimline Electronic Pressure Transmitter with LCD Display

MIN/S CV/D Series



- Compact Design for Confined Spaces
- Aluminum Housing with 2.5" LCD Display
- $\pm 0.25\%$ FS Accuracy
- Ranges 10"WC - 300 psig, 30"Hg Vacuum
- Nema 4X, 3A Sanitary available

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/D configuration adds a Nema 4X rated aluminum housing with a 2.5" high-visibility LCD Display.

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 Datasheet 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
 Vacuum absolute, and ranges over 150 psi available on sanitary version 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

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

ORDERING INFORMATION

MIN/S CV/D Series

Slimline Electronic Pressure Transmitter With LCD Display

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/D	LCD Display

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

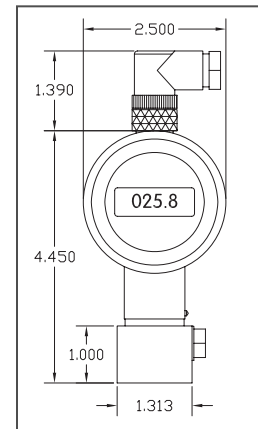
Order Code Example: PMC-MIN/S-100"WC-Cer-CV/D

- (1) Model: PMC-MIN/S
- (2) Range: 100" WC
- (3) Diaphragm Material: Ceramic
- (4) Electrical Termination: LCD Display

OPTIONS

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

Contact PMC for further options and accessories



All measurements shown in inches

HEAD OFFICE



Process Measurement & Controls, Inc.

11 Old Sugar Hollow Road
 Danbury, CT 06810 U.S.A.
 Tel: 203-792-8686
 Fax: 203-743-2051
 Email: sales@pmc1.com
www.pmc1.com

Represented By: