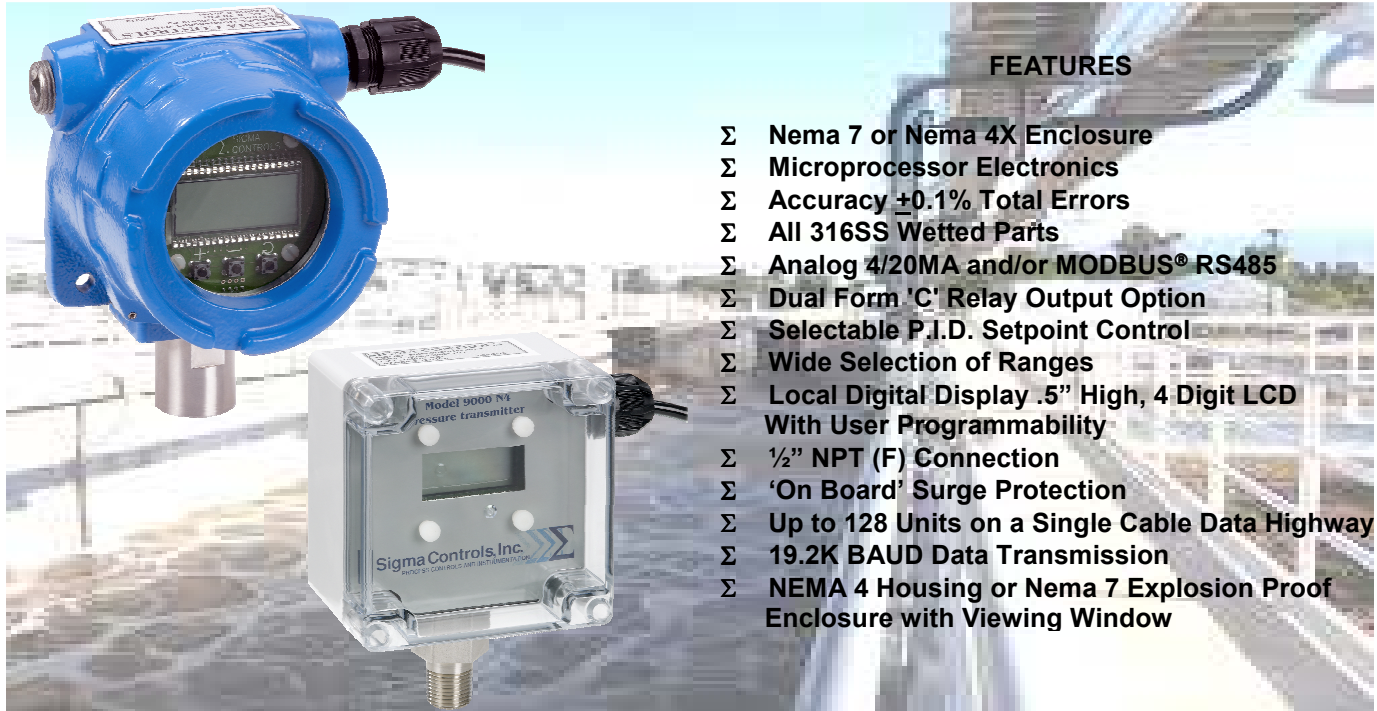


Sigma Controls, Inc.

PROCESS CONTROLS AND INSTRUMENTATION



SERIES 9000PT/N4 MICROPROCESSOR BASED INDICATING PRESSURE TRANSMITTER/CONTROLLER



FEATURES

- Σ Nema 7 or Nema 4X Enclosure
- Σ Microprocessor Electronics
- Σ Accuracy $\pm 0.1\%$ Total Errors
- Σ All 316SS Wetted Parts
- Σ Analog 4/20MA and/or MODBUS® RS485
- Σ Dual Form 'C' Relay Output Option
- Σ Selectable P.I.D. Setpoint Control
- Σ Wide Selection of Ranges
- Σ Local Digital Display .5" High, 4 Digit LCD With User Programmability
- Σ 1/2" NPT (F) Connection
- Σ 'On Board' Surge Protection
- Σ Up to 128 Units on a Single Cable Data Highway
- Σ 19.2K BAUD Data Transmission
- Σ NEMA 4 Housing or Nema 7 Explosion Proof Enclosure with Viewing Window

ENGINEERING FEATURES

- Σ Solid State Microprocessor Design
- Σ Long Term Stability
- Σ Excellent Performance $\pm 0.1\%$ Total Error
- Σ 316SS Wetted Parts Explosion Proof N4 Enclosure
- Σ Integral Terminal Block
- Σ Fully Temperature Compensated 0-50° C
- Σ 4/20MA Analog and/or Digital Outputs Standard. MODBUS® RTU
- Σ Dual Relay Output Option
- Σ User Selectable P.I.D. Control Output
- Σ Digitally Compatible with all Sigma 'MYRIAD' Level and Pump Controllers

The Sigma Controls Model 9000PT pressure transmitter is a state of the art, microprocessor based instrument with industry standard 4/20MA two-wire output and digital output for remote communication.

Both pressure and temperature information is available in digital mode which includes MODBUS® RTU.

Utilizing a state of the art media isolated silicon strain gauge and microprocessor signal conditioning, the 9000PT offers a

broad range of features and benefits.

The integral large (0.5") alpha-numeric display provides local indication of pressure or loop current and is fully user programmable for specific application needs.

User selectable P.I.D. algorithm allow 'turnable' setpoint control output for pumps, valves, etc.

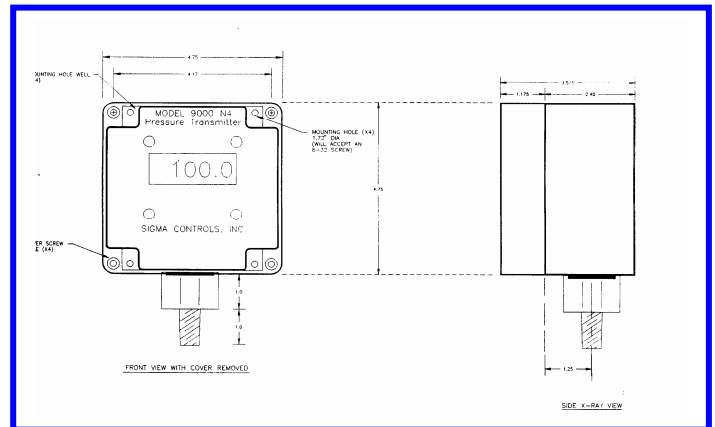
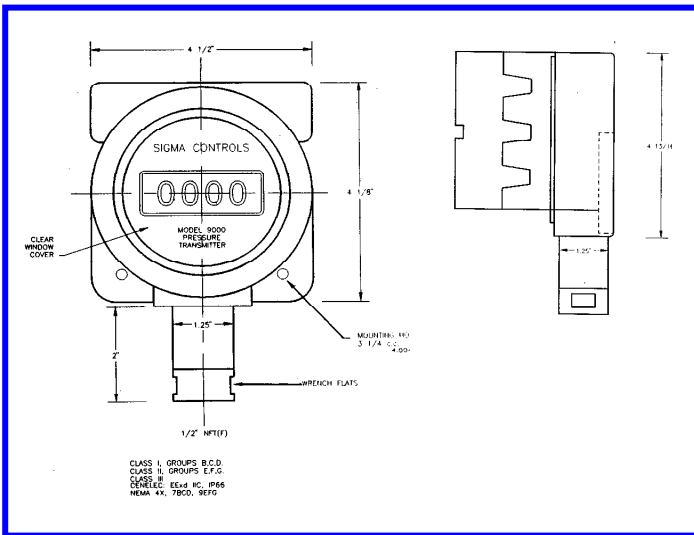
VISIT OUR WEBSITE AT SIGMA CONTROLS.COM

SERIES 9000PT/N4 MICROPROCESSOR BASED INDICATING PRESSURE TRANSMITTER

SPECIFICATIONS

Ranges	Ft Water, 0/2, 0/7, 0/12, 0/23, 0/35, 0/115, 0/230, 0/600 (Custom calibration at no charge.)	
Pressure (PSIG)	1, 3, 5, 10, 15, 50, 100, 300. (Other ranges available, consult factory.)	
Thermal Limits	Maximum Operating: -40°C / 85°C (-40°F / 185°F)	
Compensated temperature Effects	0°C / 50°C (-32°F / 122°F)	
Accuracy	+ 0.25% Output Span within Compensated Range	
Input	15-45 VDC	
Output	4/20MA 4/20MA & MODBUS®	
Electrical Connection	Integral Compression Screw Terminal Block	
Cable Color Code	Black (-) 24 VDC	Yellow Digital Output 'A';
	Blue Digital Output 'B'	Red (+) 24 VDC
Relay Option	Dual Form 'C' 5 AMP Relay Output with User Selectable On/Off Setpoints	
Process Connection	1/2" NPT (F) 316SS	
Materials of Const.	316SS Body, Buna N 'O' Ring, Neoprene Grommet, 316SS Diaphragm, Aluminum Enclosure	
Electrical Connections	1/2" NPT (F)	
Local Indication	4 Digit LCD 0.5" High, Fully User Programmable for Zero Span, Decimal Point, Engineering Unit	
Housings	Cast Aluminum: Nema 7 ABS: Nema 4X	

DIMENSIONS



MODEL: 9000PT-A-B-MB/TVSS

9000PT Pressure Transmitter

A = Range: 001, 003, 005, 010, 015, 050, 100, 300 PSI

B = Input/Output:

4/20MA..... (1)

4/20MA and MODBUS..... (2)

C = Options:

Mounting BracketMB

Transient Suppressor.....TVSS

Dual Relay.....R2

D = Housing:

Aluminum.....N7

ABS.....N4X

EXAMPLE: 9000PT-100-1-MB-N7

Sigma Controls, Inc.
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