



# PRESSURE TRANSMITTER

*The Argus Pressure Transmitter features 3 in 1 functionality by combining switch, gauge, & transmitter capabilities into a single device for superior pressure control and monitoring.*

## CONSIDER THESE FEATURES:

- Programmable range 0 to 3000 PSI (0 to 20,680 kPa)
- -46 °C to +85 °C (-50 °F to +185 °F)
- 2" NPT connection
- Digital interface utilizes magnetic receptors for simple field adjustment
- Dual Seal Certified in accordance with CSA and ANSI/ISA – 12.27.01
- CSA certified for hazardous environments (Class 1 Division 1 & 2, Group D Locations)
- On/off switching control coupled with pressure transmitting
- Dual high and low set points using two independent programmable relays
- Variable time delay of 0 to 99 seconds
- Programmable dead band
- User controlled automatic and manual reset options
- Programmable normally-open/normally-closed, independent of each relay
- Power options: 12 & 24 V DC and 120V AC



## MEETS THE REQUIREMENTS OF:

- ANSI/ISA – 12.27.01
- ASME B31.3
- CSA C22.2 No. 30
- CSA C22.2 No. 142
- ABSA CRN No. 0F1158.2
- NACE MR0175/ISO 15156 (All parts in contact with media)



## GENERAL SPECIFICATIONS:

### TRANSMITTER

*Analog:* 4 to 20mA  
*Zero Offset:* Programmable  
*Full Scale Offset:* Programmable  
*Maximum Load:* 1000 Ohm

*Working Pressure:* 3000 psi (20,684 kPa)  
*Proof Pressure:* 4500 psi (31,026 kPa)  
*Process Temp. Range:* -50°F to +185°F  
(-46°C to +85°C)  
*Conduit Connection:* ½"-14 NPT  
*Terminal Block:* 12 to 22 AWG  
*Enclosure Keypad:* 4 magnetic receptors  
*Sensor Sampling Rate:* 10Hz  
*Display:* 1s  
*Approximate weight:* 10 lbs (4.5kg)

### SWITCHING

*Power Supply:* 9 to 30 VDC  
120 VAC 60Hz 50mA  
*Power Draw:* < 2 Watts  
*Electrical Protection:* Polyswitch fuses (self resetting)  
Reverse Polarity (DC only)  
*Relay:* SPST  
*Ratings:* 5 A @ 125 VAC  
2 A @ 30 VDC  
*Duty:* Continuous  
*Response Relays:* <15ms

### GAUGE

*Pressure Range:* 0 - 3000 psi (0 - 20,684 kPa)  
*Resolution:* 1 psi (1 kPa)  
*Liquid Crystal Display:* 1-Line by 5-Digit  
*Ambient Temp. Range:* -40°F to +104°F (-40°C to +40°C)  
*Storage Temp. Range:* -40°F to +185°F (-40°C to +85°C)  
*Linearity:* ± 0.25% FSO  
*Repeatability:* ± 0.1% FSO  
*Temp. Effect on Zero:* ± 0.03% FSO/°C  
*Temp. Effect on Span:* ± 0.03% Reading/°C  
*Long Term Stability:* <0.8% FSO per year

### MATERIALS:

*Process Connection:* A350-LF2 c/w ENP  
*Sensor:* Hastelloy C-22/ 316 S.S.  
*Seals:* Durabla® Black Nitrile & Fluorosilicone  
*Type 4 Enclosure:* ASTM 6061-T6

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\*design specifications subject to change without prior notice