



Level/Pressure Transmitters

# Series 575 Pressure Transmitter

Two wire 4-20mA output transmitters offering superb chemical and corrosion resistance. Gauge or Absolute pressure is detected using a four active arm strain gauge bridge sensor, fuse to a high-purity ceramic diaphragm. Ranges from 100mbar to 600 bar or scaled to customers requirements.



## Operating Specifications

Wetted Materials	316L S.S., Alumina ceramic & Viton
Standard Ranges	See Ordering Chart for Options
Safe over-range pressure	1.5 x rated range
Burst Pressure	3 x rated range minimum
Output—span	16mA +/- 1% span
Output—zero	4mA +/- 1% span
Non-linearity, hysteresis & Repeatability	0.25% of span (best fit straight line)
Compensated Operating Temp.	-0 to +80 deg C
Thermal zero shift	-20 to +125 deg C
Thermal Span	+/- 0.04% span per deg C
Long Term Stability	+/- 0.015% reading per deg C
Supply	0.1% per 12 month typical
Loop Resistance	10 to 32VDC
	1.1kΩ max @ 32VDC supply

## Key Features

- All Stainless Steel Housing
- Rugged Construction
- Wide Pressure Ranges Available
- 4 - 20mA Output
- Excellent Linearity
- Long Term Stability
- Wide Temperature Range
- Excellent Corrosion Resistance
- Units can be factory scaled
- ABS Type Approved

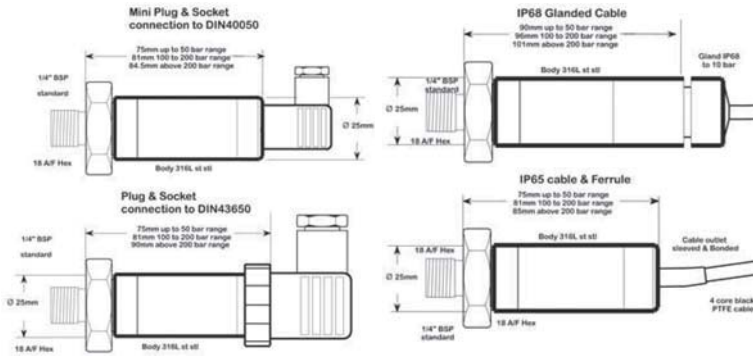




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Dimensional Specifications



How to Order

(Example: Part Number PTR575G/T7/20B/Q/C/V/300)

PTR575\*G / T7 / 20B / Q / C / V / <sup>Set \*</sup> Range

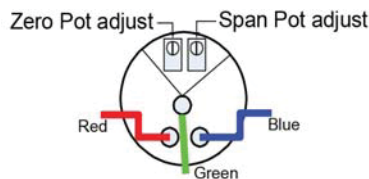
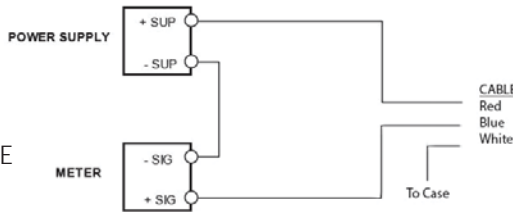
Process Connection	
T1	Submersible (flsh diaphragm)
T2	1/4" BSP w/ Delrin Nose Cone
T7	1/2" NPT (male)
T29	3/4" BSP (flsh diaphragm)
T40	1/4" NPT (female)
T41	1/4" NPT (male)
T42	1/4" BSP (male)
T43	1/4" BSP (female)
T44	1/2" BSP (female)
T45	1/2" BSP (male)

Range	10B	10bar
0.1B	0.1 bar	20B 20bar
0.4B	0.4 bar	50B 50 bar
1B	1 bar	100B 100 bar
2B	2 bar	200B 200 bar
3B	3 bar	400B 400 bar
5B	5 bar	500B 500 bar

Cable Outlet	
C	IP65 crimped cable & length (ft.)
D	IP65 mini DIN40050 plug & socket
H	IP65 DIN43650 plug & socket
I	IP68 glanded cable & length (ft.)
Q	Cable outlet DIN43650 w/4-20mA adjustable pots

Wiring Diagram

DIN43650  
PIN 1 = -/BLUE  
PIN 3 = +/RED  
FLAT PIN: TO CASE



**NASC** North American Sensors Corp  
**EX** IIC G **CE** YOM 0518  
 INTRINSICALLY SAFE PRESSURE TRANSDUCER  
 EEx ia IIC T4 (Tambient max = +90°C) Sira 02ATEX2386X  
 Type: PTR575  
 Serial No:  
 Ui = 28V Ci = 60nF Pi = 0.84W  
 li = 120mA Li = 0

Accuracy Class	
A	NL&H $\pm$ 0.1%/span BFSL
B	NL&H $\pm$ 0.15%/span BFSL
C	NL&H $\pm$ 0.25%/span BFSL

O-ring Material	
V	Viton
E	EPDM
H	HNBR
K	Kalrez

\* PTR575A (Atmospheric, Zero offset ranges available.)