



North American Sensors Corporation

Integra 575 Series



2 wire pressure transmitter

The Integra Series 575 is a two wire, 4 to 20mA pressure transmitter offering superb chemical and corrosion resistance. Gauge or absolute pressure is detected using a four active arm strain gauge bridge sensor, fused to a high purity ceramic diaphragm. Available in 3 classes of accuracy and thermal compensation as specified below, with standard ranges from 100 mbar to 600 bar. The unit can also be factory scaled to customer specific requirements including compound ranges.

Specifications

Wetted Materials: 316L Stainless steel, Alumina ceramic & Viton
Standard Ranges: 0.1, 0.4, 1, 2, 3, 5, 10, 20, 50, 100, 200, 400 & 600 bar
Safe over-range Pressure: 1.5 x rated range
Burst Pressure: 3 x rated range minimum

Output—span: 16mA +/- 0.5% of span
Output—zero: 4mA +/- 0.5% span
Non linearity, hysteresis & repeatability: 0.1% of span (best fit straight line)
Compensated Temp -20 to +125 deg C
Operating Temp Range: -20 to +125 deg C
Thermal zero shift: 0-100 deg C, +/- 0.01% span per deg C

Thermal Span shift: +/- 0.015% reading per deg C typical
Long Term stability: 0.1% per 12 month typical
Supply: 10 to 32V DC
Loop resistance: 1.1k Ω max @ 32V dc supply

Output—span: 16mA +/- 1% of span
Output—zero: 4mA +/- 1% span
Non linearity, hysteresis & repeatability: 0.15% of span (best fit straight line)
Compensated Temp -0 to +100 deg C
Operating Temp Range: -20 to +125 deg C
Thermal zero shift: +/-0.015% span per deg C
Thermal Span shift: +/- 0.015% reading per deg C typical
Long Term stability: 0.1% per 12 month typical
Supply: 10 to 32V DC
Loop resistance: 1.1k Ω max @ 32V dc supply

Key features

Stainless steel housing

Rugged Construction

Excellent linearity

Long term stability

Wide temperature range



Class C General Purpose

Output—span: 16mA +/- 1% of span
Output—zero: 4mA +/- 1% span
Non linearity, hysteresis & repeatability: 0.25% of span (best fit straight line)
Compensated -0 to +80 deg C
Operating Temp -20 to +125 deg C

Thermal zero shift: +/-0.04% span per deg C
Thermal Span +/- 0.015% reading per deg C

Long Term stability: 0.1% per 12 month typical
Supply: 10 to 32V DC
Loop resistance: 1.1k Ω max @ 32V dc supply

1-800-259-6874

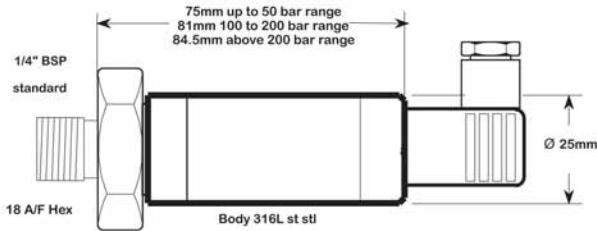
23400 HWY. 435 ABITA SPRINGS, LA. 70420



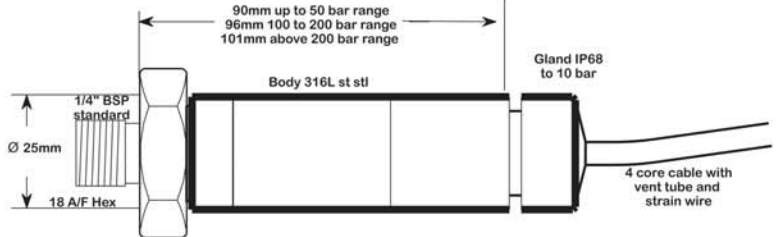
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Typical outline drawings

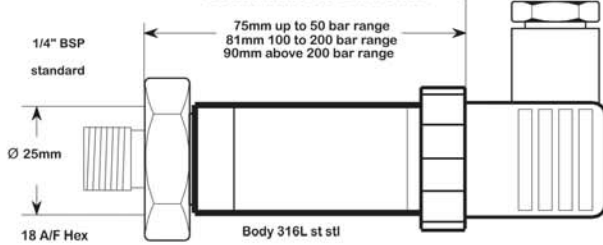
Mini Plug & Socket connection to DIN40050



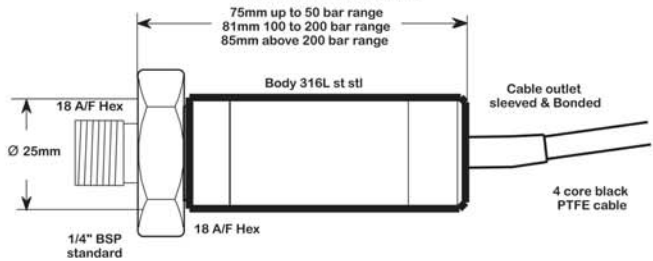
IP68 Glanded Cable



Plug & Socket connection to DIN43650



IP65 cable & Ferrule



Model coding

575G / T42 / 2B / C5 / A / V / 1.5bar

575G: Integra Gauge Pressure Transmitter
575A: Integra Absolute Pressure

Process Connection

T7 : 1/2" NPT male
T41: 1/4" NPT male
T42: 1/4" BSP male
T29: 3/4" BSP flush diaphragm

Range

0.1B: 0.1 bar
0.4B: 0.4 bar
1B: 1 bar
2B: 2 bar
3B: 3 bar
5B: 5 bar
10B: 10 bar
20B: 20 bar
50B: 50 bar
100B: 100 bar
200B: 200 bar
400B: 400 bar
600B: 600 bar

Accuracy class

A: NL&H < +/- 0.1%/span
BFSL
B: NL&H < +/- 0.15%/span
BFSL
C: NL&H < +/- 0.25%/span
BFSL

Cable Outlet

C: IP65 Crimped cable & length (m)
H: IP65 DIN43650 plug & socket
I: IP68 glanded cable & length (m)
D: IP65 mini D IN40050 plug & socket
Q: cable outlet DIN43650 with 4 to 20ma adjustable pots

'O' ring material

V: Viton
E: EPDM
H: HNBR

Optional Transmitter set range in bar

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