



# Electronic Sensors, Inc.

## Model IGP20 Gauge Pressure Transmitter

### DESCRIPTION & OPERATION

The IGP20 Gauge Pressure Transmitter reliably measures absolute and gauge pressure of gasses, vapors and liquids. These process variables are converted into standard analog DC signals (4-20mA) which are supplied to the process control and monitoring equipment. Unique internal design makes this sensor stable over a wide temperature range and protects the device from over pressure to greater than 3000 psi. With years of past performance, this device is one of the most reliable and asked for gauge sensor.

### SPECIFICATIONS

#### Range

0-30 to 0-840 in. H<sub>2</sub>O (Scaleable)

#### Max Overpressure

3625 PSI

#### Span Limits (in H<sub>2</sub>O)

A 0.5 and 30  
B 3.5 and 200  
C 28 and 840

#### Accuracy

±0.20% of calibrated span

#### Temperature Ranges

Electronics: -20°F to 180°F  
Sensing Element: -20°F to 180°F (normal)  
-50°F to 250°F (operative)

#### Input

11.5 to 42 VDC

#### Output

4-20mA DC

#### Mounting

Direct to process (pipe, wall, optional)  
Stainless steel mounting bracket provided  
1/2 inch NPT

#### Electrical Connection

1/2 inch conduit/internal terminal strip

#### Display

LCD optional

#### Warranty

1 year



#### Construction

Electrical Housing: corrosion-resistant epoxy finish  
Process Connection: 316 SS  
Process Diaphragms: 316L SS  
Fill Fluid: Silicone Oil  
Process Cover Gasket: PTFE  
NEMA Standards: NEMA 4X

#### FM Approval

Explosion Proof for Class I, Div1, Groups B, C, D  
Class II, Div 1, Groups E, F & G  
Class III, Div 1  
Intrinsically safe for Class I, Div 1, Groups A,B,C,D  
Class II, Div 1, Groups E, F & G  
Class III, Div 1  
(Connect per MI 020-427)

Specifications subject to change without notice

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**Level Devil**  
Bulk Inventory Management Solutions

# IGP20 Gauge Pressure Transmitter

## ORDERING INFORMATION

IGP20 - T22 □21F-M2 Explosion Proof/Intrinsically Safe

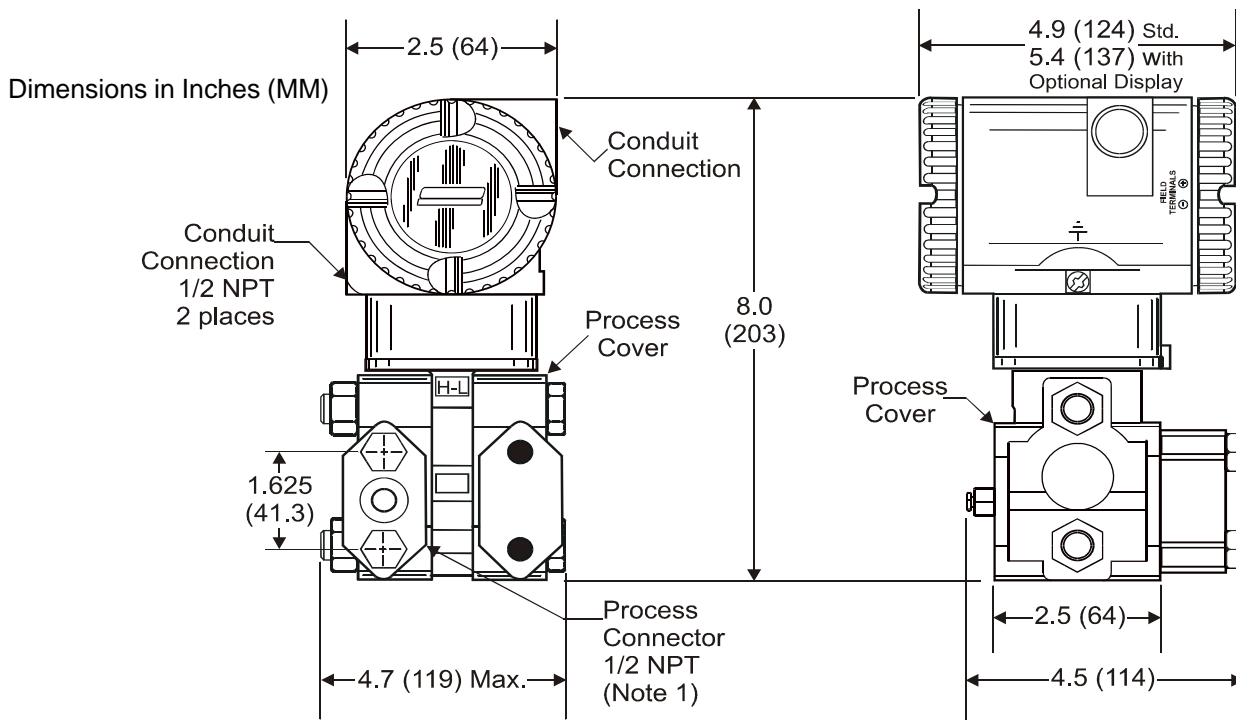
IGP20 - T22 □21F-M2L1 Explosion Proof/Intrinsically Safe with LCD Display

A	0 to 30	Inches of H <sub>2</sub> O (2.5 feet)
B	0 to 200	Inches of H <sub>2</sub> O (16.7 feet)
C	0 to 840	Inches of H <sub>2</sub> O (70.0 feet)

ISB Single Channel: 9001/01-280-100-10

ISB Dual Channel: GHG1110000W2427

## OUTLINE DRAWING



Notes:

1. Process connector may be removed and connection made directly to process cover using 1/4" N.P.T. internal thread in process cover.

Your Area Representative:



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