

MODEL 8080PA FIELD MOUNTED 2 WIRE PRESSURE TRANSMITTER

- HIGH ACCURACY
- 4 : 1 RANGEABILITY
- PRESSURE RANGE OF 0.025 BAR (10" H2O) TO 700 BAR (10,000 PSIG)
- 4 DIGIT LED DISPLAY, ENGINEERING UNITS
- CHOICE OF ALUMINUM OR SS316 ENCLOSURE
- EXPLOSION PROOF CERTIFIED
- REMOTE MOUNT SENSOR FROM ENCLOSURE
- 3 YEAR WARRANTY



Introduction

IME Model 8080PA is a field mounted, 2 wire transmitter with a 4 digit LED display and a 4 : 1 adjustability. The 8080PA is designed to cover a wide range of level and pressure measurement and can be adjusted as low as 0.025 Bar (10" H2O) and up to a maximum of 700 Bar (10,000 PSIG).

Description

IME Model 8080PA Transmitter is designed for use in process industries where vibration, inclement weather and corrosive atmospheres prevail. The only material that is exposed to the process liquid is SS316. The Electronics are enclosed in a low copper epoxy coated Aluminum housing. For more aggressive environments, a SS316 housing is optionally available. The housings meet the requirements of NEMA4X, and are also certified Explosion Proof by FM. The output current is linearised and can be set to 4-20mA/ 20-4mA or any range within these limit. The unit updates 3 times per second for display and 4 times per second for the output. The sensor can be remotely mounted up to 10 meters(30 feet) from the Enclosure.

Functional Specifications

Process Fluid

Liquid, Gas and Vapor

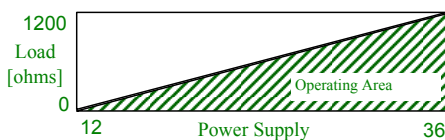
Output Signal

4-20 mA DC

Power Supply

12 to 45 Vdc

Load Limitation

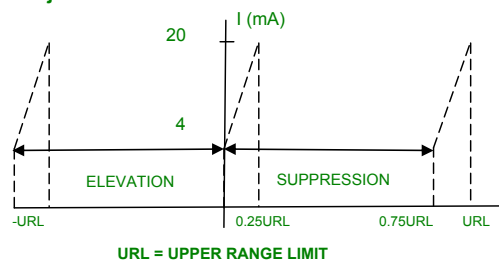


According to: $R_{max.} (\Omega) = (V_{supply} - 12) / 0.02$

Zero, Span Adjustment & Configuration

Local Adjustment using Membrane Switches

Zero Adjustment Limits



Calibrated Span shall not be less than 0.25URL and shall not exceed URL.

Low Range Value shall not be below -URL

Upper Range Value shall not be greater than URL

Indicator

4 Digit LED indicator

Turn On Time

Performs within specification approximately 2 seconds after power is applied to the transmitter

Temperature Limits

Process: -50°C to +125°C

Ambient: -50°C to +75°C

Performance Specifications

Indication Accuracy

± 0.25% Full Scale, includes effects of non-linearity, hysteresis and repeatability

Stability

± 0.2% Full Scale Output for 12 months

Temperature Effect

± 0.02% Full Scale Output per 20° C

Electrical Connection

1/2"NPT, 3/4"NPT or M20 x 1.5

Process Connection

1/2"NPT

Electronic Housing

IME MODEL 8080 Aluminum/ Stainless Steel Instrument Enclosures

Cover O-Rings

Buna N

Identification Plate

Stainless Steel SS304

Mounting

Wall, Panel or Pipe Mounting

MODEL 8080PA FIELD MOUNTED 2 WIRE PRESSURE TRANSMITTER

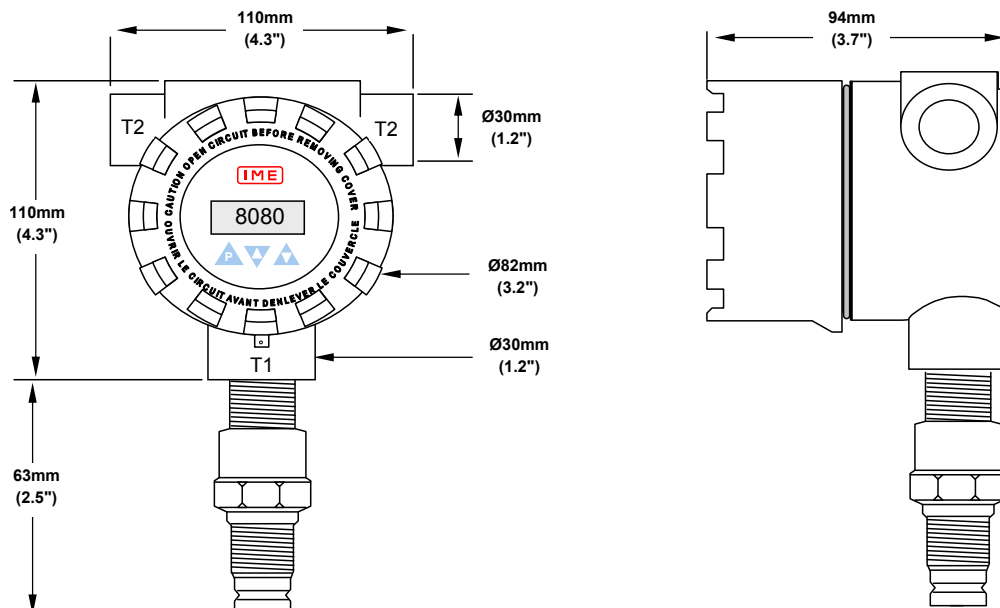
Hazardous Area Certification

Explosion Proof, FM (US & CANADA) & ATEX Standards
 -Class I Div I Groups B, C and D
 Class II Div I Groups E, F and G
 -Eexd IIC ATEX 2G T 6

ORDERING INFORMATION

IME MODEL	DESCRIPTION																																																																		
8080PA	FIELD MOUNTED, 2 WIRE PRESSURE TRANSMITTER																																																																		
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* Some Certification pending at time of publication



Dimensions are Approximate.
 Conduit Size & Instrument Connection As Per Specified.