

## Features

- Accuracy:  $\pm 0.25\%$
- NACE compatible
- Class I, Division 1 intrinsically safe
- Class I, Division 1 explosion-proof
- Class 1, Division 2 non-incendive

The PTX 1240 industrial pressure transmitter has been designed for use with aggressive pressure media found in many industrial and process applications.

The fully welded 316L stainless steel pressure module ensures excellent media compatibility without compromising performance of Druck's micromachined silicon pressure sensing element.

The PTX 1240 incorporates developments from aerospace applications and high volume manufacturing advances to achieve excellent performance at competitive pricing. Industry demands for rapid delivery are met by holding fully compensated semi-finished stock of the most common ranges.

The integral two-wire, 4 to 20 mA electronics provides power supply regulation, reverse polarity, overvoltage and EMC protection.

The PTX 1240 is intrinsically safe and explosion proof certified, thus making it suitable for use in the Oil and Gas as well as the Chemical Processing Industry.

This transmitter features a compact, rugged design with field proven electronics to ensure long term reliable measurement at an economical price.

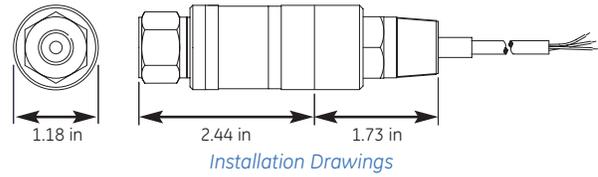
# PTX 1240

## Druck Industrial Pressure Transmitter

PTX 1240 is a Druck product.  
Druck has joined other GE  
high-technology sensing  
businesses under a new name—  
GE Industrial, Sensing.



# PTX 1240 Specifications



## Operating Pressure Ranges

- 0 to 2.5, 5, 10 psig (0 to 1.5, 3.5, 7 mH<sub>2</sub>O)
- 0 to 15, 30, 50, 60, 100, 150, 200, 300, 500, 600, 750 psi gauge or absolute
- 0 to 1000, 1500, 2000, 3000, 5000, 7500, 10,000, 15,000 psi gauge or absolute
- -15 to 30 psig ; 0 to -5 psig and 0 to -15 psig; 11.5 to 17.0 psia barometric

Please refer to manufacturer for additional ranges. Venting is provided by a flame arresting filter designed to allow the transmitter to breathe while preventing the ingress of fluids.

## Overpressure

The rated pressure can be exceeded by the following without degrading performance:

- 4X for ranges to 900 psig
- 2X for ranges 1000 to 10,000 psig
- 1.5X for range 15,000 psi

## Pressure Containment

- 6X Full Scale (FS) for vented gauge
- 2500 psi for all absolute and sealed gauge ranges 2000 psi and below
- 20,000 psi for all absolute and sealed gauge ranges above 2000 psi

## Pressure Media

Fluids compatible with 316L stainless steel and Hastelloy C276 (NACE compatible)

## Supply Voltage

9 to 30 VDC (across the transmitter terminals). The minimum total supply voltage requirement will be:

$$VS = 9 + (0.02 \times RL)$$

Where VS is supply voltage in volts RL is total loop resistance in ohms

## Output Current

4 to 20 mA (two-wire configuration)

Consult factory for availability of low-power 1 to 5 VDC PMP 1240

## Zero and Span Offset

±0.5% FS

## Long Term Stability

±0.2% FS per annum

## Combined Non-linearity, Hysteresis and Repeatability

±0.25% full scale FS best fit straight line (BSL) maximum

## Temperature Limits

- Process: -40°F to 250°F
- Storage: -50°F to 185°F
- Compensated: -4°F to 176°F

## Operating Temperature Range

-40°F to 185°F

## Temperature Effects

±2% FS typically; ±3% FS maximum

Thermal Error Band (TEB) over compensated temperature range

## Weight

10 oz nominal

## Pressure Connection

- 1/4 in NPT female ranges to 10,000 ps
- 3/8 in Autoclave, SF375 CX 20STD for 15,000 psi optional for 10,000 psi

## Electrical Connection

1/2 in NPT male conduit fitting with 3 ft of cable (18 AWG conductors)

Additional cable available upon request

## Ingress Protection

Designed to meet Type 4X when properly installed with conduit fitting connection

## Voltage Spike Protection

Units will withstand 600 V spike test to ENV 50142 without damage applied between excitation lines and case

# PTX 1240 Specifications

## Safety Classifications

### *Intrinsically Safe*

Class I, II, Division 1, Groups A,B,C,D,E,F&G  
(UL, cUL, FM, CSA)

### *Intrinsically Safe*

Class III, Division 1 and 2  
(FM, CSA)

### *Non-incendive*

Class I, Division 2, Groups A,B,C&D  
(FM, CSA)

### *Explosion-proof*

Class I, Division 1, Groups A,B,C&D  
(FM, CSA)

### *Dust-ignition-proof*

Class II, Division 1, Groups E,F&G  
(FM, CSA)

## Options

### Pressure Port

- 1/2 in NPT female via adapter
- 1/4 in NPT male via adapter
- 1/2 in NPT male, welded adapter

### Conduit Fitting

- 1/2 in NPT female, via adapter CSA/FM/UL Approval (state which logo on transducer)
- Extra Cable Length (state length in feet or meters)
- National Institute and Standards Technology (NIST) room temperature nine-point calibration certificate
- Alternate engineering units (equivalent to standard psi ranges)

## Ordering Information

Please state the following:

- (1) Type number
- (2) Pressure range
- (3) Cable length
- (4) Options

## Related Products

- PMP 1240 low power
- PTX 1230 submersible
- DPI 610 portable calibrators
- DPI 280 indicator series

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