



GE
Measurement & Control

PTXPRESS

Industrial Pressure Sensors

When it comes to selecting a high quality Pressure Sensor for your application, we know it can be difficult to balance value for money and ease-of-use with high spec, robust performance. Our latest Pressure Sensor combines quality, simplicity and Druck silicon technology for use in industrial process applications. It's in stock and available for order today, all you have to do is pick one of 14 pressure ranges to suit your application needs.

The high quality piezo-resistive sensor is built based on our 40 years of pressure measurement experience and field-proven GE's Druck Silicon technology. The PTXPRESS incorporates developments from aerospace applications and volume manufacturing to achieve high performance with competitive pricing.

Built in 14 pressure ranges with the most common configurations (from the 500,000 available) in the UNIK5000 pressure sensor series, the PTXPRESS Pressure Sensor has been designed in high grade Stainless Steel for use with aggressive pressure media. Our customers aiming to reliably and accurately measure pressure – in industrial and process applications– will find this of particular value and will reap the benefits of low cost of ownership.

"As leaders in the market, we continually strive to address a wide range of customers' needs both current and prospective," Ian Abbott, lead product manager for GE's industrial pressure sensors. "This includes the ability to deliver the most common configuration of pressure sensors straight from stock for those urgent times when a sensor must be available immediately. With the newly added PTXPRESS Sensors range, we can ensure our customers are equipped with the best sensing technology, when they need it."

Features

- Pressure ranges from 250 mbar to 600 bar
- Gauge and barometric references
- 4 to 20 mA output
- 0.15% typical accuracy
- Intrinsically safe, CE marked
- Locally stocked for fast delivery



www.gemeasurement.com

PTXPRESS Specifications

Operating Pressure Ranges

Zero based ranges

250 mbar gauge

1, 4, 6, 10, 16, 25, 40, 60 bar gauge

100, 250, 600 bar sealed gauge

Non-zero based ranges

800 to 1200 mbar barometric

-1 to 1.6 bar gauge

Overpressure

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

6 x Full Scale (FS) for 250 mbar range

4 x FS for ranges 1 to 60 bar (200 bar maximum)

4 x FS for ranges 100 to 600 bar (1200 bar maximum)

2 x FS for barometric range

Containment

6 x FS for ranges up to 60 bar (200 bar max)

1200 bar for ranges 100 to 600 bar

Pressure Media

Fluids compatible with a fully welded assembly of:

316L stainless steel and Hastelloy C276

Supply Voltage

7 to 28 Vdc

Performance

Accuracy

Combined non-linearity, hysteresis and repeatability:

$\pm 0.15\%$ FS best straight Line (BSL) typical, $\pm 0.2\%$ FS BSL maximum

Zero Offset and Span Setting

Factory set to $\pm 0.5\%$ FS,

$\pm 5\%$ site adjustable by sealed, non-interacting

Potentiometers

Long Term Stability

$\pm 0.05\%$ FS per annum typical

$\pm 0.1\%$ FS per annum maximum, increasing pro-rata for pressure ranges below 350 mbar

Operating Temperature Range

-40°C to 80°C

Temperature Effects

Over the compensated temperature range -20°C to 80°C

$\pm 1.0\%$ FS Temperature error band (TEB) typical,

$\pm 1.5\%$ FS TEB maximum,

For ranges below 350 mbar values increase pro-rata with calibrated span and doubles for barometric range

Physical

Pressure Connection

G 1/4 female

Electrical Connection

DIN 43650 Form A plug supplied with mating socket

Weight

0.4 lb (200 g) nominal

Enclosure

Stainless steel body

EDPM gasket

DIN 43650 connector

IP65

CE Marking

CE marked

Hazardous Area Certification

Supplied IECEx and ATEX Intrinsically Safe certified as standard, for use with an appropriate barrier system to:

Ex ia IIC T5 Ga (-40°C \leq Ta \leq 80°C)

UNIK 5000 series certificates IECEx BAS 10.0103X and

Baseefa 10ATEX0204X

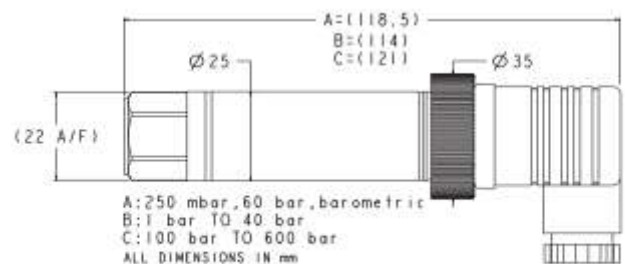
Ordering Information

Please state the following:

(1) Type number PTXPRESS

(2) Operating pressure range

Mechanical Dimensions



Related products

PTXPRESS is a brand name for the UNIK series pressure transmitter model PTX5072-TB-A1-CA-H1-PA. There are 500,000 similar products available from the UNIK5000 series on a short delivery. Contact your local team to discuss a more specific application requirement.

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