GE Druck

PTX/PMP 6000 Series

Industrial/High Accuracy Analogue Pressure Series

The PTX/PMP 6000 series is a state of the art range of digitally corrected, analogue output pressure transducers. The onboard microprocessor enables fully temperature corrected pressure readings to be output as mA or V signals, whilst maintaining a high frequency response.

Rangeability and offset control are among a number of remotely configurable features available to the user through the RS 232 Link via a PC/laptop.

- Industry proven GE Druck technology
- Complete ranges from 250 mbar to 70 bar
- 0.2% accuracy over a wide temperature
- Remote user set-up and calibration capability
- Complete range of current /voltage outputs
- Excellent stability

PTX/PMP 6000 Series

Industrial Pressure Series

STANDARD SPECIFICATIONS

Pressure Measurement

Standard Pressure Ranges
The standard upper range limit (URL) can be customer configured to any intermediate range determined by the range adjustment limits.
0 to 250mbar gauge and absolute (URL)
0 to 500mbar gauge and absolute (URL)
0 to 1 bar gauge and absolute (URL)
0 to 1.5 bar gauge and absolute (URL)
0 to 2 bar gauge and absolute (URL)
0 to 3.5 bar gauge and absolute (URL)
0 to 5 bar gauge and absolute (URL)
0 to 10 bar gauge and absolute (URL)
0 to 15 bar gauge and absolute (URL)
0 to 20 bar gauge and absolute (URL)
0 to 35 bar gauge and absolute (URL)
0 to 70 bar gauge and absolute (URL)

Overpressure
6 x up to 500mbar ranges
4 x ranges 1 to 70 bar (140 bar max.)

Pressure Containment
6 x 250mbar to 70 bar ranges

Media Compatibility
Fluids and gases compatible with 316L stainless steel

Excitation Voltage
PMP/PTX 6000
10 to 30 Vd.c.

Output Signal
PTX 6000
4-20mA Loop (2 wire configuration)

PMP 6000
1 to 5V (3 wire)

Start Up Time
Less than 500 msec

Performance

Total Accuracy (including non-linearity, hysteresis and repeatability)
Standard: 0.1% FS BSL max.
Option A: 0.06% FS BSL max.

Zero Offset and Span setting
Customer controlled with Remote Configuration Software.

Long Term Stability
0.1% URL per annum (0.2% for ranges below 500mbar).

Operating Temperature Range
-40° to 85°C

Temperature Effects
0.1% URL (TEB) over -10° to 50°C
0.2% URL (TEB) over -40° to 80°C

Shock
1000g, 1 ms half sine pulse in 3 mutually perpendicular axes will not affect performance.

Vibration
Less than 0.5% FS/G at 30g peak 10Hz to 2KHz

Insulation
Greater than 10 mΩ at 500 Vd.c.

EMC
CE marked: EN 61326-1

Software
Remote Configuration Software (RCS) provided free of charge with each sensor, along with installation, maintenance and application instructions.

Physical

Pressure Connection
G¼ Female .
¼" NPT
Adaptors available - please refer to GE Druck.

Electrical Connections
DIN 43650 (plug and socket)
1 metre 6 core shielded cable
6 Pin bayonnet

Documentation
Units provided with traceable calibration certificate.

ORDERING INFORMATION

Please state the following:
1) Select model number

Code	Output
PTX 60	mA
PMP 60	Voltage

Code	Electrical Configurations
11	Cable
16	Bayonet Plug
19	DIN 43650 Plug/Socket

PTX 60	11	Typical Model Number

2) Select pressure range and units
3) Gauge, Absolute
4) Pressure Connection
5) Options

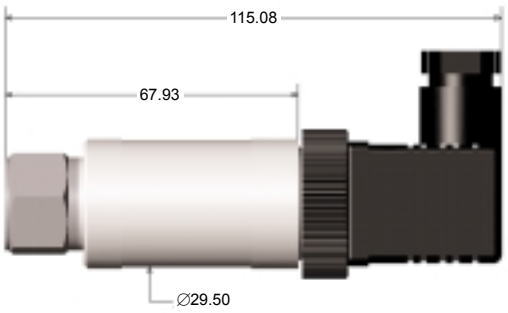
OPTIONS

(A) Improved Accuracy
An improved accuracy of 0.06% FS BSL for stnadard ranges
(B) PC Configuration Interface Module
Hardware RS 232 serial interface assembly with 2.5m lead fitted with mating Bulgin Bucaneer plug/socket.
(C) Downranged Pressure Calibration
The unit will be provided with a pressure calibration certificate at your specified range.

For all non-standard requirements and product customisation, contact GE Druck to discuss your application in detail.

Continuing development sometimes necessitates specification changes without notice.

Installation Drawings -
Dimensions in mm



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