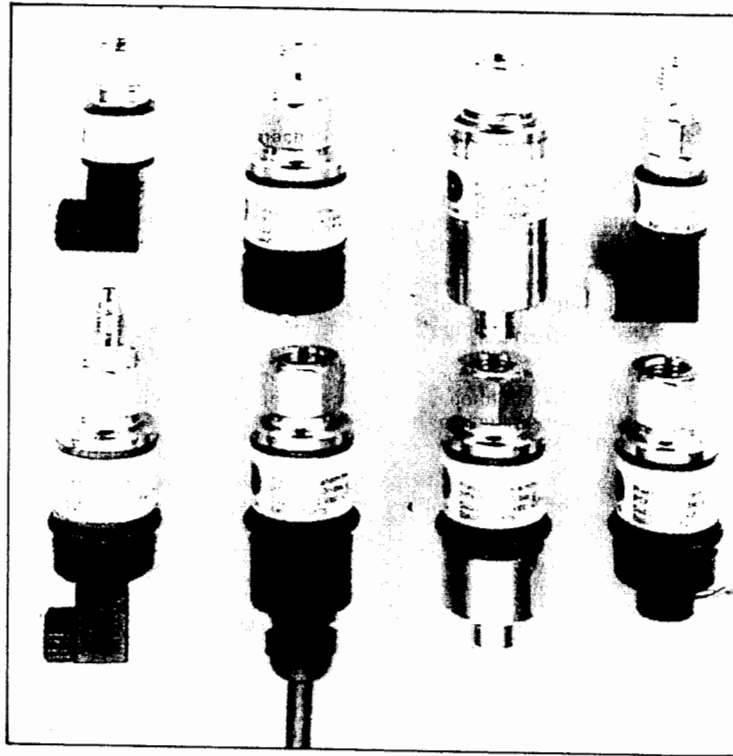


A. Pressure Sensor

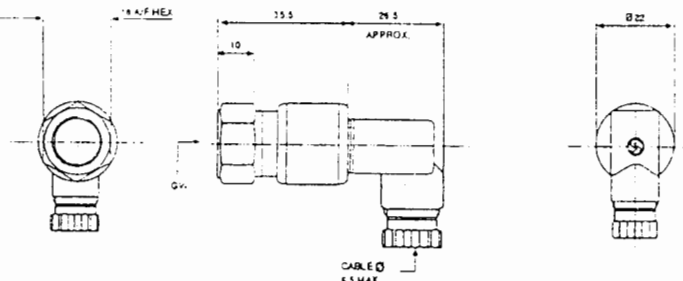
6. Pressure Transmitter

Model : PTX 1000 series

(Maker : Druck)

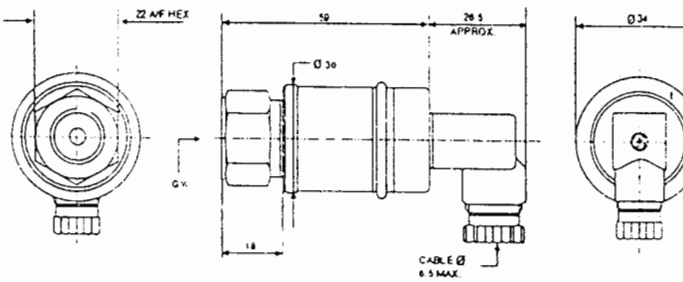


PTX 1000 Series



Electrical Connection
 Pin 1: Supply negative
 Pin 2: Output negative
 Pin 3: Supply positive
 Pin 4: Output positive

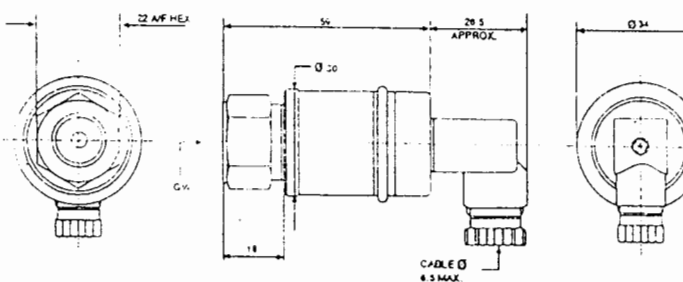
PA1P 1000 Series



Electrical Connection (3 wire)
 Pin 1: Supply positive
 Pin 2: Supply negative
 Pin 3: Output positive
 Pin 4: Not connected

Electrical Connection (4 wire)
 Pin 1: Supply positive
 Pin 2: Supply negative
 Pin 3: Output positive
 Pin 4: Output negative

PTX 1000 Series



Electrical Connection
 Pin 1: Supply positive
 Pin 2: Supply negative
 Pin 3: Not connected
 Pin 4: Not connected

A. Pressure Sensor

6. Pressure Transmitter

PDCR 1000

Standard Pressure Ranges

400 mbar, 600 mbar, 1, 1.6, 2.5, 4, 6, 10, 16, 25, 40, 60 bar gauge and absolute.

Overpressure

The stated pressure range can be exceeded by the following multiples causing negligible calibration change.

400 mbar and 600 mbar: 4 x F.S.
1 to 60 bar: 2 x F.S.

Pressure Containment

Greater than 3 x F.S. for gauge versions
Greater than 180 bar for absolute versions.

Pressure Media

Fluids compatible with stainless steel 316.

Excitation Voltage

10 volts at 5 mA typical.

Output Voltage

100 mV (50 mV for 400 mbar)

The above output is for 10 volts and is proportional to the excitation voltage.

Operating Temperature Range

-40° to +90°C.

Accuracy

Typically the individual errors will not exceed:-

Non-linearity, hysteresis & repeatability:-
±0.2% F.S. BSL.

Temperature effects:-

PDCR 1000: ±2.0% F.S. total error band
-10° to +50 °C

PDCR 1001: ±4.0% F.S. total error band
-20° to +80 °C

Zero & Span setting:-

±3mV

Stability

Typically better than 0.2% F.S. per year.

Weight

40 grams nominal.

Electrical Connector

Miniature DIN plug/socket.

Pressure Connector

G½ female.

Environmental Protection

Ingress protected to IP 65.

Insulation Resistance

Greater than 10 Mohms at 500 V a.c.

Output Impedance

2000 ohms nominal.

Load Impedance

Greater than 100 K ohms for quoted performance.

PMP 1000

Standard Pressure Ranges

400 mbar, 600 mbar, 1, 1.6, 2.5, 4, 6, 10, 16, 25, 40, 60 bar gauge and absolute.

Overpressure

The stated pressure range can be exceeded by the following multiples causing negligible calibration change.

400 mbar and 600 mbar: 4 x F.S.
1 to 60 bar: 2 x F.S.

Pressure Containment

Greater than 3 x F.S. for gauge versions
Greater than 180 bar for absolute versions.

Pressure Media

Fluids compatible with stainless steel 316.

Excitation Voltage

5 to 36 V d.c.

Output Voltage

1 to 6 V d.c. (3 wire configuration)

0 to 5 V d.c. (4 wire configuration)

Output dependent on supply. Refer to
Druck Limited prior to quotation.

Output Configuration

Option A 3 wire
Option B 4 wire (internal reference)
Option C 4 wire (external reference)
Option D split rail supply

Operating Temperature Range

-40° to +90°C.

Accuracy

Typically the individual errors will not exceed:-

Non-linearity, hysteresis & repeatability:-
±0.2% F.S. BSL.

Temperature effects:-

PMP 1000: ±2.0% F.S. total error band
-10° to +50 °C

PMP 1001: ±3.0% F.S. total error band
-20° to +80 °C.

Zero & Span setting:-

±0.5% F.S. ±5% adjustment via integral
potentiometers.

Stability

Typically better than 0.2% F.S. per year.

Weight

120 grams nominal.

Electrical Connector

Miniature DIN plug/socket.

Pressure Connector

G½ female.

Environmental Protection

Ingress protected to IP 65.

Insulation Resistance

Greater than 10 Mohms at 500 V a.c.

Voltage Spike Protection

Units will withstand 600 volt spike test to IEC 60-2 without damage, applied between excitation lines or excitation line and case.

Supply Voltage Reversal

Units will withstand supply voltage polarity reversal without damage.

RFI Protection

To the European Standards of BS EN 50082-2 (1992) in accordance with IEC 801 parts 1 to 6 for susceptibility to EMC and to BS EN 50081-1:1992 for emissions.

PTX 1000

Standard Pressure Ranges

400 mbar, 600 mbar, 1, 1.6, 2.5, 4, 6, 10, 16, 25, 40, 60 bar gauge and absolute.

Overpressure

The stated pressure range can be exceeded by the following multiples causing negligible calibration change.

400 mbar and 600 mbar: 4 x F.S.
1 to 60 bar: 2 x F.S.

Pressure Containment

Greater than 3 x F.S. for gauge versions
Greater than 180 bar for absolute versions.

Pressure Media

Fluids compatible with stainless steel 316.

Excitation Voltage

9 to 30 V d.c.

Output Current

4 to 20 mA (two wire configuration)

Operating Temperature Range

-40° to +90°C.

Accuracy

Typically the individual errors will not exceed:-

Non-linearity, hysteresis & repeatability:-
±0.2% F.S. BSL.

Temperature effects:-

PTX 1000: ±2.0% F.S. total error band
-10° to +50 °C

PTX 1001: ±3.0% F.S. total error band
-20° to +80 °C.

Zero & Span setting:-

±0.5% F.S. ±5% adjustment via integral
potentiometers.

Stability

Typically better than 0.2% F.S. per year.

Weight

120 grams nominal.

Electrical Connector

Miniature DIN plug/socket.

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