



Differential Pressure Sensor PX-2722 Series



High Resolution



High Speed
Analogue Output

Description

The PX-2722 pressure sensor is equipped with a welded stainless steel measuring element on both sides. Extensive ageing measures ensure excellent long-term stability. The measuring signal is processed analogously, linearised and temperature-compensated over the entire range of use.

Pressure Ranges (FRO) - Differential

100 mbar to 3.5 bar (any zero based range between)
Bi-directional from ± 100 mbar

Overpressure

200 / 400 % depending on pressure range (FRO)

Output Signal

Current 4 to 20 mA (two-wire)

Load Impedance

> 5 kOhm

Measurement Performance

Valid for Pressure Ranges $\geq 0,5$ bar

Total Error Band within Operating Temperature Range

(includes non-linearity, hysteresis, repeatability, zero and span settings, thermal shift on zero and span)
Standard ≤ 1.5 % FRO
optional ≤ 1.0 % FRO
optional ≤ 0.5 % FRO

Stability

≤ 0.2 % FRO per year (typically)

Response Time

<1 ms

Zero and Span Setting

Digital adjustable, optional

Operating Temperature Range

-40 °C to +125 °C

Supply Voltage (Vs)

8 bis 32 VDC

Current Consumption

≤ 5 mA

Material of Wetted Parts

1.4404 und 1.4435

Electrical Connection

6-pin bayonet MIL-C26482
high temperature shielded cable
Plug M12x1

Pressure Connection

M10x1 male length 12 mm, 80° internal cone

Protection Rate

Depending on mating connector

Weight

135 g, app.

EMC

12 V/m 80 MHz - 2 GHz to DIN EN 61326 (A)

Vibration

DIN EN 60068-2-64 Grade 1

Dimensions (ca. mm)

