

Model PCE

Low Cost Pressure Transmitter

Description

The PCE model which is pressure transmitters feature high quality, high stability, small size, low weight, compact structure, low cost and mass production. Stainless steel body are ideal for industrial environment. The sensing element, has excellent corrosion-resistant properties by adopting the Thick-Film ceramic cells.

Features

- ▶ 4~20mA(2wire) Output
- ▶ Measuring range 0~2 ... 600bar
- ▶ 1%FS accuracy
- ▶ Thick-Film ceramic cell
- ▶ Stainless steel & ceramic(Al_2O_3 96%) media-wetted materials

Applications

- ▶ Process control
- ▶ Hydraulics & pneumatic system
- ▶ Gas monitoring
- ▶ Compressor
- ▶ Refrigerator



Specifications

Range

0 ~ 2 ... 600bar (Gauge, Absolute)

Performance

Accuracy	$\pm 1\% \text{FS}$
Compensated Temperature Range	$-10 \sim 80^\circ\text{C}$
Operating Temperature Range	$-20 \sim 100^\circ\text{C}$

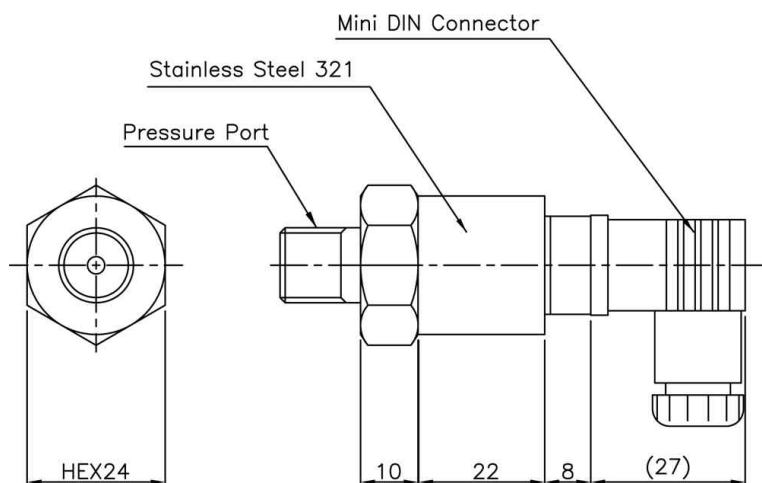
Electrical

Excitation	12 ~ 28VDC
Output	4~20mA(2Wire)
Response Time	10ms
Electrical Connection	Mini DIN Connector

Physical

Proof Pressure	150%FS Max.
Burst Pressure	300%FS Min.
Vibration	$49.1\text{m/s}^2\{5\text{G}\}$, 10~500Hz
Shock	$490\text{m/s}^2\{50\text{G}\}$
EMC	EMI : EN50081-1/-2, EMS : EN50082-2
Pressure port	PT1/4", PF1/4", 7/16-20UNF
Media-Wetted Materials	Stainless Steel 321, Ceramic(Al_2O_3 96%), Viton
Weight	Approx. 100g

Dimension



Pin No.	Connections
1	Input ⊕
2	Output ⊕
3	×
⊥	Earth

Ordering Information

Model Name	P C E H 0010 B C I G	Type of Pressure Measurement
		G : Gauge J : Absolute
Output		Connecting Methods
H : 2Wire 4~20mA		I : Mini DIN connector
Pressure Range		Pressure port
XXXX : Pressure		C : PT1/4" D : PF1/4" U : 7/16UNF
		Pressure Unit
		K : kgf/cm ² B : bar P : psi M : MPa