

Model PCA

Corrosion Proof Pressure Transmitter

Description

PCA designed for high precision measurement and consists of the ceramic pressure cell. PCA made of PTFE, the material of component can be against corrosion, it has no seal inner part. These specification are good at corrosion proof and apply to various control equipment.

Features

- ▶ 4~20mA output
- ▶ Measuring range 0~1MPa
- ▶ 1%FS accuracy
- ▶ IP55 Protection
- ▶ DI Water, Strong ACID, Strong ALKALI
- ▶ Piezoresistive Ceramic Cell
- ▶ PTFE media-wetted materials

Applications

- ▶ Semiconductor Manufacturing Equipment
- ▶ High-Purity Fluids
- ▶ Chemical Process
- ▶ Physics and Chemistry Equipment
- ▶ Waste Disposing Equipment



Specifications

Range

0~100 ... 1000kPa (Gauge)

Performance

Accuracy	±1%FS(RSS)
Thermal Effect on Zero	±0.1%FS/°C
Thermal Effect on Span	±0.1%FS/°C
Compensated Temperature Range	10 ~ 50°C
Operating Temperature Range	10 ~ 70°C

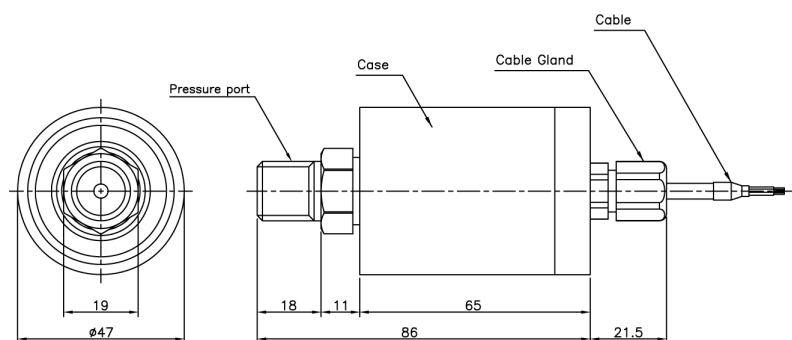
Electrical

Excitation	11 ~ 28VDC
Output	4~20mA(2Wire)
Electrical Connection	Cable

Physical

Proof Pressure	120%FS Max.
Burst Pressure	150%FS Min.
Vibration	49.1m/s ² {5G}, 10~500Hz
Shock	490m/s ² {50G}
Pressure port	R(PT)1/4", G(PF)1/4", R(PT)3/8", G(PF)3/8"(Stock)
Media-Wetted Materials	PTFE
Weight	Approx. 200g (include cable 50cm)

Dimension



Wire Color	Connections
Red	Input ⊕
Blue	Output ⊕
Shield	Earth

Ordering Information

Model Name	PCA H 0100 R A S A	Option
		A : Normal
Output		Connecting Methods
H : 2Wire 4~20mA		S : Cable Gland
Pressure Range		Pressure port
XXXX : Pressure		A : R(PT)3/8" B : G(PF)3/8"
		C : R(PT)1/4" D : G(PF)1/4"
		Pressure Unit
		R : kPa M : MPa
		B : bar K : kgf/cm ²
		P : psi H : mmHg
		C : cmH ₂ O



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· Specifications are subject to change without notice.