

Model PSK

General Purpose Pressure Transducer

Description

PSK designed for all industry which is compact pressure transducer. Precise measurement is available with a semiconductor pressure cell. Inner amplification circuit applies to various control equipment.

Features

- ▶ VDC, mA output
- ▶ Measuring range 0~3.5MPa
- ▶ 0.5%FS accuracy
- ▶ Gauge and absolute measurement
- ▶ Piezoresistive silicon cell
- ▶ Stainless steel media-wetted materials

Applications

- ▶ Process control
- ▶ Hydraulics & Pneumatic
- ▶ Compressor Control
- ▶ Chillers
- ▶ Refrigeration Equipment



Specifications

Range

0 ~ 20, 30, 50, 100, 200, 300, 500, 700kPa / 2, 3.5MPa(Gauge)
0 ~ 100, 200, 300, 500, 700kPa / 2, 3.5MPa (Absolute)

Performance

Accuracy	±0.5%FS(RSS)
Thermal Effect on Zero	±0.05%FS/°C
Thermal Effect on Span	±0.05%FS/°C
Compensated Temperature Range	-10 ~ 70°C
Operating Temperature Range	-20 ~ 80°C

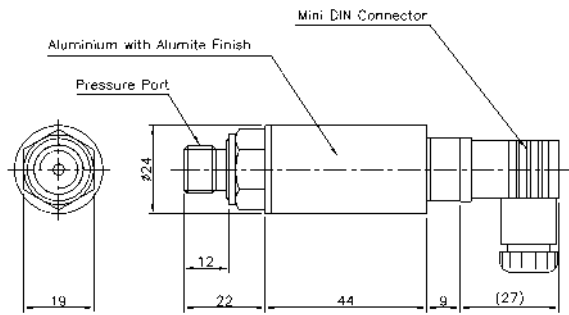
Electrical

Excitation	11 ~ 28VDC
Output	1~5VDC, 4~20mA(2Wire)
Electrical Connection	Mini Din Connector

Physical

Proof Pressure	300%FS Max.
Burst Pressure	400%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"(Stock)
Media-Wetted Materials	Stainless Steel 303(Optional 316L), VITON
Weight	Approx. 100g

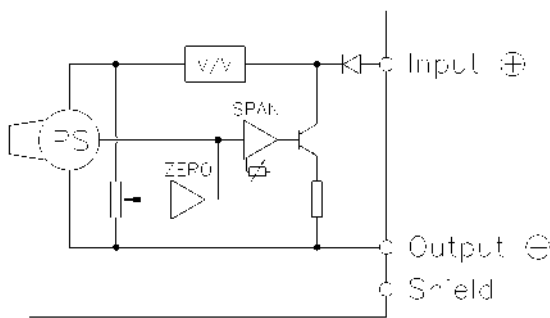
Dimension



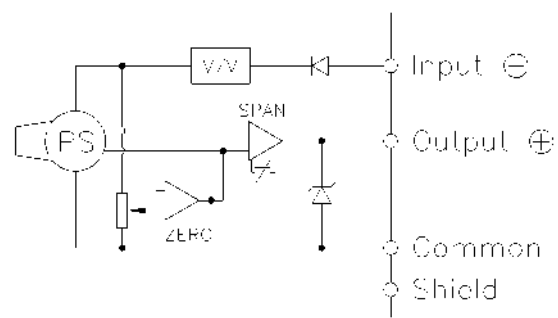
Pin No.	Connections	
	3Wire	2Wire
1	Input ⊕	Input ⊕
2	Common ⊖	Output ⊕
3	Output ⊕	x
⊕	Earth	Earth

Internal Circuit Diagram

► 2Wire mA Output Type



► 3Wire VDC Output Type



Ordering Information

Model Name	PSK	E	0020	R	C	M	G	Type of Pressure Measurement
Output								G : Gauge J : Absolute
Pressure Range								Connecting Methods
Pressure Unit								M : Mini DIN Connector
								Pressure port
								C : R(PT)1/4"
								D : G(PF)1/4"



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· Specifications are subject to change without notice.

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