



PSC312 Pressure Transducer for Heavy Industry and General Purpose Industrial Applications

Description

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Pressure-Sensor.com

Precision Sensor Solutions from Pressure Sensor Limited



Pressure Sensor Limited PSC312

Pressure Transducer for Heavy Industry and General Purpose Industrial Applications

PRESSURE SENSOR LIMITED™'s model **PSC312 Pressure Transducer** was developed for all types of industrial applications. It is based on high temperature, inorganically bonded, media isolated, piezoresistive technology that offers reliable and accurate measurements under harsh environmental conditions.

The robust construction of the **PSC312** provides stable operation when subjected to shock and vibration. Suitable for use in heavy industry, process control, automation, plastic and alloy injection molding machines, hydraulic pumps, etc.

State of the art design machined from a solid piece of stainless steel provides a leak-proof, all metal sealed system. The sensor has no welds or organics exposed to the pressure media. Features digital compensation and temperature correction for high accuracy.



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Performance (specified @ 25 °C)	
Accuracy (Best fit straight line)	± 0.5% BFSL
Error	± 2.0% FS TEB
Zero/Span Offset Tolerance	± 1.0% FS
Stability (typical)	< ±0.35% full scale per year
Compensated Temperature Range	0°C ~ 85°C
Operating Temperature Range	-10°C ~ 100°C
Storage Temperature Range	-20°C ~ 125°C
Burst Pressure	3.5 X Full Scale
Proof Pressure	2 X Full Scale
Pressure Cycles	4 million full scale cycles
Mechanical Vibration	20 g, 10 - 2000 Hz
Mechanical Shock	IEC 60068-2-27, 30 g, 11 ms pulse
Package Protection	IP65 (IEC60529)

Sample Applications:

- Process Automation & Control
- Plastic and Alloy Injection Machines
- Test and Measurement Equipment
- Factory Automation
- Energy Management
- Heavy Industry

Category

1. Ewave
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