P265
Stainless Steel Pressure Transducers

Applications

- Steam Sterilizers
- Gasoline & Diesel Engines
- Natural Gas & CNG Engines
- Agricultural Chemical Equipment
- Hydraulic Systems
- Level Measurement
- Test Equipment
- Injection Molding
- Coolant Pressure
- Industrial Compressors

Standard Full Scale Pressure Ranges

0-15, 20, 30, 50, 75, 100, 150, 0-200, 300, 500, 750, and 1000 PSIA, PSIG, PSIS

Features

- Wet & Dry Media
- Superior Long Term Stability
- Excellent Repeatability/Hysteresis
- Superior EMI/RFI Rejection
- Low Power Consumption
- Linear Amplified Output
- Temperature Compensated
- Over-Voltage, Reverse Polarity & Short Circuit Protection
- Ten Million Cycle Life Expectancy
- Outstanding Shock & Vibration Performance

Description

The model P265 is based on Kavlico's field-proven ceramic capacitive technology with the latest state-of-the-art ASIC. Featuring a 316SS housing, the P265 is designed for general use wherever a rugged and reliable pressure transducer is required.

The P265 package has a built-in Metri-Pack 150, electrical connector and supports popular process connection threads. The P265 is offered with a variety of seal materials and is suitable for many diverse applications. Specifically intended for OEM applications, the P265 delivers a cost effective solution without compromising performance or reliability.

Potsdamer Str. 14, 32423 Minden, Germany
Tel: +49 571 3859-0 - Fax: +49 571 3859-119
Email: info@kavlico.de

235 E. Main St., Suite 102A, Northville, MI 48167, USA
Tel: +1 (248) 465-0815 - Fax: +1 (248) 465-0810
Email: pressure.sensors@kavlico.com

www.kavlico.com

A brand of CST
CUSTOM SENSORS & TECHNOLOGIES

Technical Specifications

Note: Performance Specifications with 5v ± 0.002 Vdc supply at 25°C

Pressure Ranges:	0 – 15 PSI through 0 – 1,000 PSI Absolute, Gage or Sealed Gage
Proof Pressure:	5x (FSO) (15 through 75 PSI) 3x (FSO) (100 through 500 PSI) 2x (FSO) (750 and 1,000 PSI)
Burst Pressure:	1,000 (15 through 75 PSI) 2,000 PSI (100 through 1,000 PSI)
Supply Voltage:	4.50 Vdc to 5.50 Vdc
Supply Current:	5 mA (Max)
Response Time:	15ms Max to 63% of F.S. Pressure with Step Change on Input
Output Voltage	
Zero/Null Pressure:	0.50 ±0.08 Vdc
Full Pressure:	4.50 ±0.08 Vdc
Ratiometricity:	±0.5% of Span
Total Error Band:	2.0% of Span (-20˚C to +100˚C)
Output Impedance:	< 100 Ω
Operating Temperature:	-40°C to +125°C (Seal Material Dependant)
Storage Temperature:	-40°C to +135°C
Service Life:	10 Million Full Pressure Cycles
Vibration:	10G P-P Sinusoidal, from 10-2000Hz
Shock:	75 G ½ Sine Wave
Ingress Protection:	IP67
Stability:	±0.5% of Full Span over 1-Year
Weight:	100 grams (Max)
Electrical Termination:	Packard Electric Metri-Pack 150 Series
Pressure Connection:	See “How to Order”
Output Load:	>25k Ω
Over-Voltage Protection:	16 Vdc
Reverse Polarity Protection:	-5 Vdc
Main Housing Material:	316 Stainless Steel

How to Order

P265 Pressure Transducer

Pressure Range

15	0 - 15 PSI
20	0 - 20 PSI
30	0 - 30 PSI
50	0 - 50 PSI
75	0 - 75 PSI
100	0 -100 PSI
150	0 - 150 PSI
200	0 - 200 PSI
300	0 - 300 PSI
500	0 - 500 PSI
750	0 - 750 PSI
1000	0 - 1000 PSI

Reference

A	Absolute
G	Gage
S	Sealed Gage

Seal Material

B	Nitrile	-40 to + 121° C
C	Neoprene	-34 to + 107° C
D	Fluorocarbon	-20 to + 125° C
E	Fluorosilicone	-40 to + 125° C
F	Ethylene Propylene	-40 to + 121° C

Pressure Connection

1	1/4 - 18 NPT (External Threads)
2	3/8 - 24 UNF-2A (Male)
3	3/8 - 24 UNF-2B (Female)
4	1/8 - 27 NPT

Electrical Connection

A	With Mating Connector, w/12”, 18 AWG Leads
B	12”, 18 AWG Leads
C	Metri-Pack 150 Series Connector

P265 - 500 - S - F - 1 - A

Example: P265 - 500 - S - F - 1 - A

Description: P265 Pressure Transmitter, 0 - 500 PSIS (Sealed Gage), with Ethylene Propylene Seal Material, 1/4 - 18 NPT Pressure Connection, and Mating Connector

Before installation and operation, ensure that the appropriate pressure sensor has been selected in terms of pressure range, design and specific measuring conditions. Non-compliance can result in serious injury and/or damage to the equipment.

Don’t see what you want?

Call us at +1 (619) 710-2068 to customize this product to meet your application-specific needs!

Warning: The product information contained in this catalogue is given purely as information and does not constitute a representation, warranty or any form of contractual commitment. Kavlico reserve the right to modify their products without notice. It is imperative that we should be consulted over any particular use or application of our products and it is the responsibility of the buyer to establish, particularly through all the appropriate tests, that the product is suitable for the use or application. Under no circumstances will our warranty apply, nor shall we be held responsible for any application (such as any modification, addition, deletion, use in conjunction with other electrical or electronic components, circuits or assemblies, or any other unsuitable material or substance) which has not been expressly agreed by us prior to the sale of our products.

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