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

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!

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

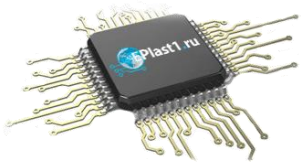
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.