

P265Stainless 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.









Technical Specifications

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

Note: I chomiane openioalions with 50 ± 0.002 vac supply at 25 0					
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	man otop ondings on input				
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 1/2 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				
O STATE OF BUILDING	401/1				

Over-Voltage Protection: 16 Vdc

Reverse Polarity Protection: -5 Vdc

Main Housing Material: 316 Stainless Steel

How to Order

P265 Pressure Transducer									
Pressure Range									
	20 30 50 75 100 150 200 300 500 750	15							
		Re	fere	nce					
		A G S	Sea Se B C D E	Aled (al M Nitr Nec Fluct Fluct	Gage ateri ile oprer oroca	ial	-40 to + 121° C -34 to + 107° C -20 to + 125° C -40 to + 125° C -40 to + 121° C		
		Pressure Connection							
					3/8	- 18 NPT (External Threads) - 24 UNF-2A (Male) - 24 UNF-2B (Female) - 27 NPT			
	Electrical Connection								
					В	12", 18 AWG	onnector, w/12", 18 AWG Leads Leads 50 Series Connector		
P26	5 - 500) - S	- F	- 1 -	Α				

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!

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