

Industrial OEM Pressure Sensor



measuring
•
monitoring
•
analyzing

KPA



- $\pm 0.25\%$ of Full Scale Accuracy
 - Precision Machined Diaphragm with no Welds or O-Ring Seals
 - Pressure Ranges: 0...50 to 0...10000 PSIG
 - All Stainless Steel Wetted Parts
 - Unique Sensor Fusing Technology
- Offers Exceptional Cycle Life at a Low Cost



KOBOLD companies worldwide:

ARGENTINA, AUSTRALIA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CHILE, CHINA, COLOMBIA, CZECH REPUBLIC, EGYPT, FRANCE, GERMANY, HUNGARY, INDIA, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, REPUBLIC OF KOREA, ROMANIA, SINGAPORE, SPAIN, SWITZERLAND, TAIWAN, THAILAND, TUNISIA, TURKEY, UNITED KINGDOM, USA, VIETNAM

KOBOLD Instruments, Inc.
1801 Parkway View Drive
Pittsburgh, PA 15205
Main Office:
1.800.998.1020
1.412.788.4890
info@koboldusa.com
www.koboldusa.com



Description

The KOBOLD KPA series pressure sensors combine several unique features to provide an instrument that is tough, accurate, and economical. Both the fitting and the sensing diaphragm are precision machined out of a single piece of 17-4 PH stainless steel. Because there are no welds or seals, the KPA offers an exceptionally high cycle life. The semiconductor strain gauges are kiln fused to the diaphragm for a highly stable molecular bond that resists strain caused by applications with high pressure pulsations. It has a 4-20 mA, 2-wire transmitter and a 1/4" NPT fitting. Other options are available in OEM quantities. The KPA provides significant levels of RFI, EMI, and ESD protection which makes it an ideal choice for industrial applications.

Specifications

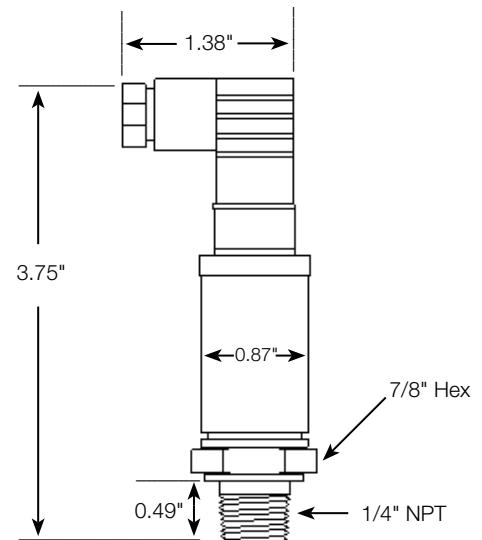
Pressure Range:	0...50 PSIG to 0...10000 PSIG
Accuracy:	±0.25% of full scale BFSL
Temperature Drift:	±0.0065% of full scale / °F over the compensated temp. range
Process Temp. Range:	-40...250 °F
Compensated Temp. Range:	0...185 °F
Wetted Materials:	17-4 PH stainless steel (316L available in OEM quantities)
Proof Pressure:	2X measuring range
Burst Pressure:	5X the measuring range
Vibration Resistance:	20G at 20...200 Hz
Shock Resistance:	200G / 11 ms
Output:	
Standard:	4-20 mA, 2-wire, 9-30 V _{DC}
Optional:	Others available in OEM quantities
Electrical Connection:	
Standard:	Mini-DIN 43650C
Optional:	Others available in OEM quantities
Electrical Protection:	NEMA 4X, IP65

Applications

- Advanced HVAC Systems
- Refrigeration Systems
- Automotive Test Stands
- Industrial Process Control
- Pumps and Compressors
- Hydraulic/Pneumatic Systems
- Agriculture Systems
- Energy Generation and Management



Dimensions



Order Details

Range (PSIG)	Model Number	Range (PSIG)	Model Number
0...50	KPA-565P055	0...1000	KPA-565P115
0...100	KPA-565P065	0...3000	KPA-565P140
0...200	KPA-565P085	0...5000	KPA-565P150
0...300	KPA-565P090	0...10000	KPA-565P175
0...500	KPA-565P100	---	