

**KPA Series
Industrial/OEM
Pressure Sensor**

USA
KOBOLD Instruments, Inc
1801 Parkway View Drive
Pittsburgh, PA 15205
Tel: 412-788-2830

Canada
9A Aviation
Pointe-Claire, QC
H9R 4Z2
Tel: 514-428-8090



www.kobold.com

- **0.25% of Full Scale Accuracy**
- **Precision Machined Diaphragm with no Welds or O-ring Seals**
- **Pressure Ranges 0-50 through 0-10,000 PSIG**
- **All Stainless Steel Wetted Parts**
- **Unique Sensor Fusing Technology for Exceptional Cycle Life at Low Cost**
- **All of the Features with None of the Cost**

The Kobold KPA series Industrial/OEM pressure sensors are a breakthrough that combine unique features, yielding an exceptionally tough and accurate sensor at a low cost. The fitting and pressure sensing diaphragm are precision machined out of a single piece of 17-4 PH stainless steel. There are no welds or O-ring seals which results in an exceptionally high cycle life. The semiconductor strain gauges are kiln fused to the diaphragm making a highly stable molecular bond. Molecular bonding of the sensing element produces a pressure sensor that will have exceptional long term stability in demanding applications characterized by high pulsations. The KPA series has a 4-20 mA 2-wire transmitter and 1/4" NPT fitting standard. Other outputs and fitting options are available in OEM quantities. 316L stainless steel wetted parts are also available in OEM quantities. The KPA also provides significant levels of RFI, EMI and ESD protection making it an excellent choice for industrial and mobile applications



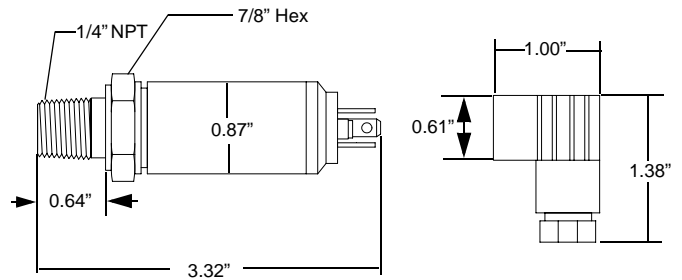
Specifications

Pressure Ranges: 0-50 PSIG through 0-10,000 PSIG
Accuracy: 0.25% of full scale BFSL
Temp. Drift Coefficient: ±0.0065% of full scale/°F over the compensated temperature range
Process Temp. Range: -40 to 250°F
Compensated Temp. Range: 0 to 185°F
Wetted Materials: 17-4 PH stainless steel;
 316 L available in OEM quantities

Proof Pressure: 2X measuring range
Burst Pressure: 5X measuring range
Vibration Resistance: 20G at 20-200 Hz
Shock Resistance: 11G / 11 ms
Output
Standard: 4-20 mA, 2-wire, 9-30 VDC
Optional: Others available in OEM quantities
Electrical Connection
Standard: Mini-DIN 43650C
Optional: Others available in OEM quantities
Electrical Protection: NEMA 4X/ IP 65

Ordering Information

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-565P170
0-500	KPA-565P100		



When quality counts, count on KOBOLD

Argentina, Austria, Belgium, Brazil, Canada, Chile, Czech Republic, France, Germany, Indonesia, Italy, Malaysia, Mexico, Netherlands, Peru, Slovakia, Switzerland, Thailand, United Kingdom, USA, Venezuela, Vietnam