Submersible Pressure Transducer

measuring • monitoring • analyzing

KPW

- Advanced Semi-Conductor/ Thin-Film Sensing Technology
- Variety of Output Signals
- CE EMI Compliant
- High Level of Overpressure Protection
- Fast Response Time
- Stainless Steel Construction
- Submersible Cable Connection

KOBOLD companies worldwide:

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

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Description

KOBOLD KPW series transmitters provide superior performance at affordable prices. Utilizing the same pressure sensing technologies and advanced manufacturing techniques as the rest of our KP line, the KPW can achieve accuracies of ±0.125% at pressures to 1000 PSIG. All this is combined with our high shock resistance, excellent long term sensor stability, and CE compliant noise immunity. The KPW offers protection against common installation problems such as reverse polarity wiring and short circuiting.

Specifications

Accuracy	
Standard:	±0.25% of Full Scale BFSL
Optional:	±0.125% of Full Scale BFSL
Repeatability:	±0.05% of Full Scale
Hysteresis:	±0.1% of Full Scale
Process Connection:	Nose Cone, G ½ Male
Body Material:	316 Stainless Steel
Cable Material:	Polyurethane, PVC
Nose Cone	
Standard:	Polyamide Plastic
Optional:	316 SS Weighted
Temp Compensation:	32...122 °F
Temp. Drift:	±0.01% / °F for Zero & Span
Media Temp:	14...122 °F
Storage Temp:	-22...175 °F
Shock Sensitivity:	< ±0.05% Full Scale @ 100 g for 20 ms
Vibration Sensitivity:	< ±0.01% Full Scale @ 15 g & 0-2000 Hz
Proof Pressure:	2X Range
Burst Pressure:	4X Range
Output Signal:	4-20 mA, 0-5, 0-10, 0.5-2.5 VDC
Input Power	
4-20 mA or	
0-5 VDC Output:	10...30 VDC
0-10 VDC Output:	14...30 VDC
0.5-2.5 VDC Output:	5...30 VDC
Response Time:	< 1 ms, 10...90% FS
Fault Protection:	Reverse Polarity, Short Circuit
Protection:	NEMA 6P, IP68

Dimensions

NPT Adapter

Weighted Nosecone

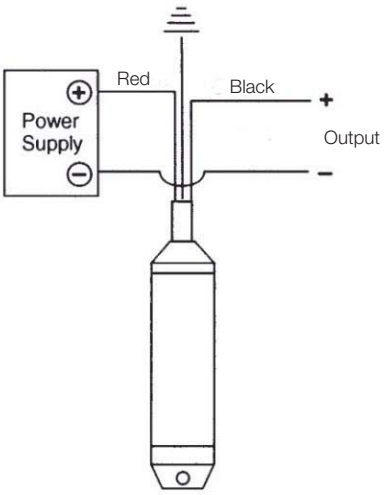
Order Details (Example: **KPW-06015W***)

Model	Range		Accuracy	Output Signal	Nose Cone
KPW-	**..AIN..** = 50 inH_2O	**..025..** = 25 PSIG	**..1..** = ±0.25% of Full Scale (Standard)	**..1..** = 4-20 mA, 2-Wire (Standard)	**..N** = ABS Nose Cone (Standard)
	..BIN.. = 100 inH_2O	**..030..** = 30 PSIG			
	..CIN.. = 150 inH_2O	**..060..** = 60 PSIG		**..2..** = 0-5 VDC, 3-Wire	**..W** = 316 SS Nose Cone (Weighted)
	..DIN.. = 200 inH_2O	**..100..** = 100 PSIG			
	..EIN.. = 400 inH_2O	**..150..** = 150 PSIG		**..5..** = 0-10 VDC, 3-Wire	**..T** = G ½ B x ½" NPT Male with ¼" NPT Female Adapter
	..002.. = 2 PSIG	**..200..** = 200 PSIG	**..2..** = ±0.125% of Full Scale		
	..003.. = 3 PSIG	**..300..** = 300 PSIG			
	..005.. = 5 PSIG	**..350..** = 350 PSIG		**..6..** = 0.5-2.5 VDC, 3-Wire	
	..010.. = 10 PSIG	**..500..** = 500 PSIG			
	..015.. = 15 PSIG	**..750..** = 750 PSIG			
	..020.. = 20 PSIG	**..10X..** = 1000 PSIG			
Optional Accessories					
..CC = Cable Clamp		**..DC** = Dessicant Cartridge			**..FE** = Filter Element

* When ordering, please clearly specify desired length of cable, "L".

Wiring Diagrams and Electrical Connections

Two Wire Example



	4...20 mA	0-5, 0-10, 0.5-2.5 VDC
Supply: +	Red	Red
Common: -		Black
Output: +	Black	White
Case Ground:	Blue	Blue

Three Wire Example