

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



Description

Technical Details

Pressure Range:

Burst Pressure:

Wetted Materials:

Span Tolerance:

Media Temp. Range:

Temperature Drift:

Shock Resistance:

Stability (one year):

Hazardous Location:

Vibration Resistance:

Ambient Temp. Range: Compensated Range:

Corrosion Resistance:

Cycle Life:

Accuracy: Zero Offset:

Fitting Type:

Over Range Protection: 2X full scale

The KOBOLD KP46 series explosion-proof pressure transmitter is approved for use in hazardous locations per CSA standard 30 and U.L. standard 1203 for Class 1, Division 1 and 2 locations. The wetted materials are 316L or 17-4 PH stainless steel for compatibility with a wide variety of media. Both materials and construction comply with NACE MR0175. Other wetted matierials, such as Hastelloy® C276 and Inconel® 178, are available upon request. The fitting and sensing diaphragm are machined out of a single piece of material so there are no welds, seams, or o-ring seals. This design results in excelent long-term performance and stability. The case is factory sealed, making the KP46 series very rugged with excellent shock and vibration resistance. It is ideal for explosion-proof applications where both price and perfomance are critical.

5X full scale

±0.25% BFSL

-55...250 °F -40...185 °F

30...130 °F

100G, 11mSec

10G peak, 20-2000Hz

Groups A, B, C, and D

4...20 mA, 2-wire 10...28 VDC

NEMA 4X / IP 66

8000

±0.25% of full scale

<±1% of full scale

<±2% of full scale

>100 million cycles

0...50 PSIG to 0...20000 PSIG

1/4" NPT (up to 10000 PSIG)

complies with NACE MR0175

1/2" NPT (15000 & 20000 PSIG)

316L stainless steel (up to 10000 PSIG), 17-4PH stanless steel (15000 & 20000 PSIG), other materials upon request

<±1.5% of full scale for zero and span

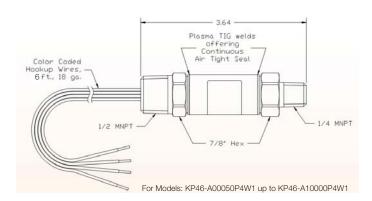
CSA approved to standards CSA 30 and U.L.1203; explosion-proof for Class 1, Div 1, Groups A, B, C, and D; and Div 2,

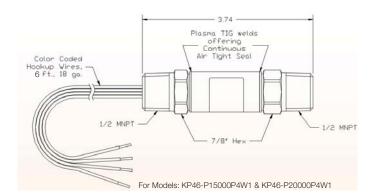
1/2" NPT conduit with 6 ft, wire leads

over the compensated range



Dimensions





Electrical Connection: Electrical Protection:
Order Details

Power Supply: Max. Loop Load:

Output:

Range (PSIG)	Model Number	Range (PSIG)	Model Number	Range (PSIG)	Model Number
050	KP46-A00050P4W1	01000	KP46-A01000P4W1	07500	KP46-A07500P4W1
0100	KP46-A00100P4W1	01500	KP46-A01500P4W1	010000	KP46-A10000P4W1
0200	KP46-A00200P4W1	03000	KP46-A03000P4W1	015000	KP46-P15000P4W0
0500	KP46-A00500P4W1	05000	KP46-A05000P4W1	020000	KP46-P20000P4W0