

## Applications

- Machine building
- Shipbuilding, Petroleum, Chemical, Metallurgy, Power Station and hydrology
- Measurement and control technology
- Hydraulics and pneumatics

## Special features

- Measuring ranges from 0 ... 0.05 to 0 ... 1,000 bar [0 ... 1 to 0 ... 15,000 psi]
- Non-linearity 0.25 % or 0.5 %
- Output 4 ... 20 mA, DC 0 ... 10 V, DC 0 ... 5 V and others
- Electrical connection: Angular connector form A and C, circular connector M12 x 1, cable outlet 2 m [6 ft]
- Process connection G ½ A DIN EN ISO 1179-2, ½ NPT and others
- Pumps and compressors



## Description

The model KM -10 pressure transmitter for general industrial applications is not only notable for its compact design, but it also offers excellent quality at an extremely competitive price.

The Output signal of this KM-10 Pressure transmitters is configured to be 4 ~ 20 mA. It can obtain 0.25% accuracy with long-term stability better than 0.15 %/year. The zero thermal drift is less than 0.04% C, while the sensitivity thermal drift is 0.02%/°C over the whole operating temperature range.

## Measuring ranges, gauge pressure

bar	
0 ... 0.05	0 ... 10 <sup>1)</sup>
0 ... 0.1	0 ... 16 <sup>1)</sup>
0 ... 0.16	0 ... 25 <sup>1)</sup>
0 ... 0.25	0 ... 40
0 ... 0.4	0 ... 60
0 ... 0.6	0 ... 100
0 ... 1	0 ... 160
0 ... 1.6	0 ... 250
0 ... 2.5	0 ... 400
0 ... 4	0 ... 600
0 ... 6	0 ... 1,000

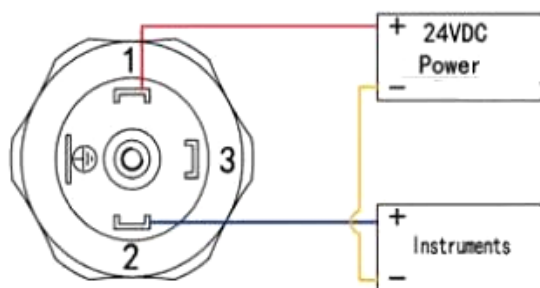
# Specification

measuring media	Gases or liquids compatible with 304L and 316L stainless steel	
overload pressure	%FS	150
burst pressure	%FS	200
power supply	V	DC 12-30
output signal		4-20mA
zero offset	%FSO	1 maximum
Accuracy	%FSO	± 0.25
long-term stability	%FSO/year	0.15
Load resistance	Ω	250~1150Ω
storage temperature range	°C	-40~+120
operating temperature range	°C	-30~+80
compensated temperature range	°C	-30~+80
temperature coefficient of ZERO	%FSO/	±0.02
temperature coefficient of SPAN	%FSO/	±0.04
process connection	thread	NPT1/2"
electrical connection	DIN 43650 Hirschmann connector	
environment protection	IP rating	IP 65
pressure membrane material	Silicon	
material of wetted parts	316L SS	
housing material	304 SS	

## Dimensions in mm Pressure Transmitter

### Electrical Connection

4-20mA 2 wires



**PIN 1 Power VCC+ PIN 2 Output OUT+**

