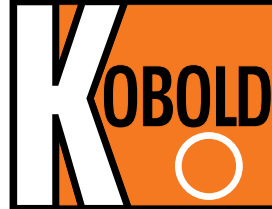




Pressure Transducer Heavy Duty Precision Piezoresistive



measuring
•
monitoring
•
analysing



- Gauge pressure
- Internal diaphragm
- Measuring range:
-1 ... 0 to 0 ... 16 bar
- Temperature (medium):
max. 80 °C
- Accuracy class: 0.1
- Material:
stainless steel
- Fitting: G 1/2 male
- Option:
RS232 Interface



KOBOLD offices exist in the following countries:

ARGENTINA, AUSTRIA, BELGIUM, BRAZIL, CANADA, CHINA,
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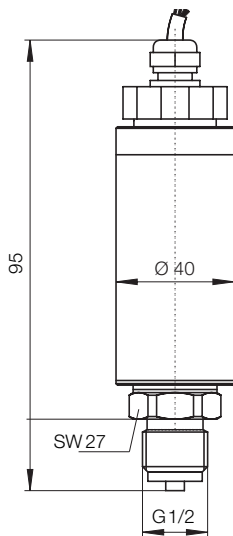
Model:
SEN-3382C
SEN-3382B



Description

KOBOLD Heavy Duty Precision pressure sensors are leaders among the pressure transducers. These pressure sensors have an accuracy class rating of 0.1 % as standard. This renders them particularly suitable for use in test and calibration engineering. Due to the program-controlled temperature compensation, the temperature-related measuring error in the 0 to 50°C range is practically zero. Long term stability, good corrosion resistance, high degree of protection (IP 67) and mechanical loadbearing capacity also make the Heavy Duty Precision pressure sensors ideal for demanding measurements in rugged industrial environments.

Dimensions



Technical data

Technology: internal diaphragm
 Pressure: gauge pressure
 Housing: stainless steel 1.4571
 Fitting: G 1/2 male acc. to DIN 16288
 Wetted parts: stainless steel 1.4571
 Sensor element: piezoresistive
 Max. temperature: Storage: -40 ... +85 °C
 Medium: -20 ... +80 °C
 Ambient: -20 ... +80 °C
 Pressure limitation: 3 x range
 Accuracy class: 0.1
 Repeatability: $\leq \pm 0.03\%$ (f.s.d.)
 Stability per year: $\leq \pm 0.1\%$ (f.s.d.) under reference cond.
 Measuring range: $< 0.4 \text{ bar} \leq \pm 0.2\%$ (f.s.d.)
 Electr. connection: PG-Cable gland with 1.5 m cable by RS 232 with 25 connector
 Power supply: 10 ... 30 V_{DC}
 Option: RS 232 Interface
 Output: 4 - 20 mA
 Load (Ω): $\leq (U_B - 10 \text{ V}) / 0.02 \text{ A}$ (for 4 - 20 mA)
 Response time: Analogue output $\leq 10 \text{ ms}$ (within 10 - 90 % of full scale)
 RS 232 $\leq 10 \text{ ms}$
 Adjustability: by RS 232 programmable / by analogue output through Serviceput
 Temp. comp. range: -20 ... +80 °C
 Temperature drift: Zero and span
 -20 ... 0 °C: $\leq 0.1\% / 10 \text{ K}$
 0 ... 50 °C: no drift
 50 ... 80 °C: $\leq 0.1\% / 10 \text{ K}$
 Protection: IP 67

Order Details Sensor (Example: SEN-3382/2 C315)

Measuring range	Order no. Gauge pressure class 0.1 4 - 20 mA
-1 to 0 bar	SEN-3382/2 C315
-0.6 to 0 bar	SEN-3382/2 C305
-0.4 to 0 bar	SEN-3382/2 C436
-0.25 to 0 bar	SEN-3382/2 C426
0 to 0.25 bar	SEN-3382/2 B146
0 to 0.4 bar	SEN-3382/2 B156
0 to 0.6 bar	SEN-3382/2 B015
0 to 1 bar	SEN-3382/2 B025
0 to 1.6 bar	SEN-3382/2 B035
0 to 2.5 bar	SEN-3382/2 B045
0 to 4 bar	SEN-3382/2 B055
0 to 6 bar	SEN-3382/2 B065
0 to 10 bar	SEN-3382/2 B075
0 to 16 bar	SEN-3382/2 B085

Applications

- Test engineering
- Calibration engineering
- Precision measurements in Development and Production



Pressure Transducer Heavy Duty Precision Thinfilm



measuring
•
monitoring
•
analysing



- Gauge pressure
- Internal diaphragm
- Measuring range:
0...25 to 0...1000 bar
- Temperature (medium):
max. 80 °C
- Accuracy class: 0.1
- Material:
stainless steel
- Connection: G ½ male
- Option:
RS 232 Interface



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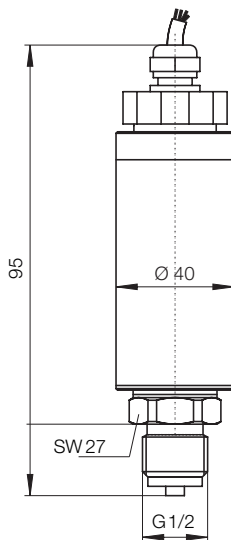
Model:
SEN-3382 A



Description

KOBOLD Heavy Duty Precision pressure sensors are leaders among the pressure transducers. These pressure sensors have an accuracy class rating of 0.1 % as standard. This renders them particularly suitable for use in test and calibration engineering. Due to the program-controlled temperature compensation, the temperature-related measuring error in the 0 to 50°C range is practically zero. Long term stability, good corrosion resistance, high degree of protection (IP 67) and mechanical loadbearing capacity also make the Heavy Duty Precision pressure sensors ideal for demanding measurements in rugged industrial environments.

Dimensions



Applications

- Test engineering
- Calibration engineering
- Precision measurements in Development and Production

Order Details Sensor (Example: SEN-3382 A095)

Measuring range	Order no. Gauge pressure class 0.1 4 - 20 mA
0 to 25 bar	SEN-3382 A095
0 to 40 bar	SEN-3382 A105
0 to 60 bar	SEN-3382 A115
0 to 100 bar	SEN-3382 A125
0 to 160 bar	SEN-3382 A135
0 to 250 bar	SEN-3382 A145
0 to 400 bar	SEN-3382 A155
0 to 600 bar	SEN-3382 A165
0 to 1000 bar	SEN-3382 A175

Technical data

Technology: internal diaphragm
 Pressure: gauge pressure
 Housing: stainless steel 1.4571
 Connection: G 1/2 male acc. to DIN 16288
 Wetted parts: stainless steel 1.4571
 Sensor element: Thin film
 Max. temperature: Storage: -40...+85 °C
 Medium: -20...+80 °C
 Ambient: -20...+80 °C
 Pressure limitation: ≤ 600 bar: 2 x range,
 > 600 bar: 1.5 x range,
 vacuum-tight
 Accuracy: 0.1
 Repeatability: ≤ ±0.03 % (f.s.d.)
 Stability per year: ≤ ±0.1 % (f.s.d.) under
 reference conditions
 Measuring range: < 0.4 bar ≤ ±0.2 % (f.s.d.)
 Electrical connection: PG-cable gland with 1.5 m cable
 by RS 232 with 25 connector
 Power supply: 10...30 V_{DC}
 Option: RS 232 Interface
 Output: 4 - 20 mA
 Load (Ω): ≤ (U_B - 10 V) / 0.02 A
 (for 4 - 20 mA)
 Response time: Analogue output ≤ 10 ms
 (within 10 - 90 % of full scale)
 RS 232 ≤ 10 ms
 Adjustability: by RS 232 programmable /
 by Analogue output through
 Serviceput
 Temp. comp. range: -20...+80 °C
 Temperature drift: Zero and span
 -20...0 °C: ≤ 0.1 % / 10 K
 0...50 °C: no drift
 50...80 °C: ≤ 0.1 % / 10 K
 Protection: IP 67