Zertifiziertes QM-System
DIN EN ISO 9001
Zertifikat-Nr. 01017

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:
  serial interface

KOBOLD companies worldwide:
ARGENTINA, AUSTRIA, BELGIUM, CANADA, CHILE, CHINA, COLOMBIA, CZECHIA, FRANCE, GERMANY, GREAT BRITAIN, INDIA, IRAN, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, SINGAPORE, SLOVAKIA, SPAIN, SWITZERLAND, THAILAND, USA, VENEZUELA, VIETNAM

KOBOLD Messring GmbH
Nordring 22-24
D-65719 Hofheim/Ts.
☎ +49(0)6192 299-0
Fax +49(0)6192 23398
E-Mail: info.de@kobold.com
Internet: www.kobold.com

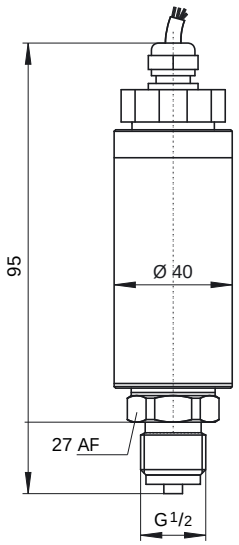
Model:
SEN-3382 A

02 / 02-2009

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 particulary suitable for use in test and calibration engineering. Due to the programcontrolled temperature compensation, the temperature-related measuring error in the 0 to 50 °C range is practically zero. Long therm 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 ½ 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 limitiation:	≤ 600 bar: 2 x range, > 600 bar: 1.5 x range, vacuum-tight
Accuracy class:	0.1
Repeatability:	≤ ± 0.03 % (f.s.d.)
Stability per year:	≤ ± 0.1 % (f.s.d.) under reference conditions
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 (2-wire)
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
Adjustablility:	by RS 232 programmable / by analogue output through Serviceput
Temp. comp. range:	-20...+80 °C
Temperature drift:	zero point and span -20...0 °C: ≤ 0.1 % / 10 K 0...50 °C: no drift 50...80 °C: ≤ 0.1 % / 10 K
Protection:	IP 67

02 / 02-2009

Zertifiziertes QM-System
DIN EN ISO 9001
Zertifikat-Nr. 01017

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 ½ male
- Option:
  serial interface

KOBOLD companies worldwide:
ARGENTINA, AUSTRIA, BELGIUM, CANADA, CHILE, CHINA, COLOMBIA, CZECHIA, FRANCE, GERMANY, GREAT BRITAIN, INDIA, IRAN, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, SINGAPORE, SLOVAKIA, SPAIN, SWITZERLAND, THAILAND, USA, VENEZUELA, VIETNAM

KOBOLD Messring GmbH
Nordring 22-24
D-65719 Hofheim/Ts.
☎ +49(0)6192 299-0
Fax +49(0)6192 23398
E-Mail: info.de@kobold.com
Internet: www.kobold.com

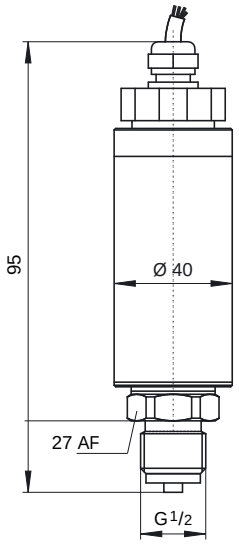
Model:
SEN-3382 B
SEN-3382 C

02 / 02-2009

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 particulary suitable for use in test and calibration engineering. Due to the programcontrolled temperature compensation, the temperature-related measuring error in the 0 to 50 °C range is practically zero. Long therm 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



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

Technical data

Technology:	internal diaghragm
Pressure:	gauge pressure
Housing:	stainless steel 1.4571
Fitting:	G ½ 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:	≤ ± 0.03 % (f.s.d.)
Stability per year:	≤ ± 0.1 % (f.s.d.) under reference conditions
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 (2-wire)
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 point and span - 20 ... 0 °C: ≤ 0.1 % / 10 K 0 ... 50 °C: no drift 50 ... 80 °C: ≤ 0.1 % / 10 K
Protection:	IP 67

Applications

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