



## Pressure Transducer Heavy Duty Industrial Piezoresistive



measuring  
•  
monitoring  
•  
analysing

Option:  
Pluggable  
Sandwich  
Display  
Model AUF



- Gauge pressure
- Internal diaphragm
- Measuring range:  
-1...0 to 0...16 bar
- Temperature (medium):  
max. 100 °C
- Accuracy class:  
0.25 or 0.5
- Material:  
stainless steel
- Connection: G 1/2 male



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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-3276  
SEN-3277

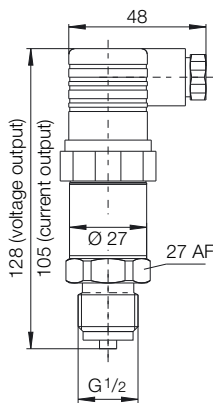


**Description**

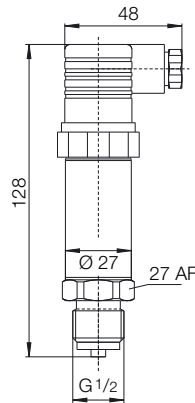
The Heavy Duty Industrial pressure transducers are the leaders among the pressure transducers. The thin-film technology of the sensor element fulfils the most demanding requirements. Case and wetted parts are stainless steel. Therefore they are extremely resistant against aggressive process fluids. The sensor is unaffected by shock or vibration. Two adjustment potentiometers permits the use of these pressure transducers in most difficult applications like measurement of the hydrostatic column.

**Dimensions**

SEN-3276...



SEN-3277...



**Applications**

- Process engineering
- Hydraulic systems
- Industrial process engineering
- Development and laboratory
- Pneumatic systems

**Technical Data**

Technology: internal diaphragm  
 Pressure type: gauge pressure  
 Housing: stainless steel 1.4301  
 Connection: G 1/2 male acc. to DIN 16288  
 Wetted parts: stainless steel 1.4571 and 1.4542  
 Sensor element: piezoresistive  
 Max. temperature: storage: -40...+100°C  
 medium: -30...+100°C  
 ambient: -20...+80°C  
 Pressure limitation: ≤ 16 bar: 3.5 x range  
 vacuum-tight  
 Accuracy class: 0.25 or 0.5  
 Repeatability: ≤ ±0.05 % (f.s.d.)  
 Stability (annual): ≤ ±0.2 % (f.s.d.) under reference conditions  
 Electrical connection: connector DIN 43 650  
 Power supply: 10...30 V<sub>DC</sub>  
 (14...30 V<sub>DC</sub> for output 0 - 10 V)  
 Output: 4 - 20 mA (2-wire), 0 - 5 V<sub>DC</sub>,  
 0 - 10 V<sub>DC</sub>  
 Load (Ω): ≤ (U<sub>B</sub> - 10 V)/0.02 A (for 4 - 20 mA)  
 > 5 kΩ for 0 - 5 V  
 > 10 kΩ for 0 - 10 V  
 Response time: ≤ 1 ms (within 10 - 90 % of full scale)  
 Adjustability: zero point and span ±5 %  
 Temp. comp. range: 0...+80°C  
 Temperature drift: zero point and measuring  
 ±0.2%/10 K zero point for  
 measuring range 0...0.1 and  
 0...0.16 bar ±0.4%/10 K  
 Protection: IP 65

**Order Details Sensor** (Example: SEN-3276 C315)

Measuring range	Order no. Gauge pressure class 0.5 4 - 20 mA	Order no. Gauge pressure class 0.5 0 - 5 V <sub>DC</sub>	Order no. Gauge pressure class 0.5 0 - 10 V <sub>DC</sub>	Order no. Gauge pressure class 0.25 4 - 20 mA	Order no. Gauge pressure class 0.25 0 - 5 V <sub>DC</sub>	Order no. Gauge pressure class 0.25 0 - 10 V <sub>DC</sub>
-1 to 0 bar	SEN-3276 C315	SEN-3276/1 C315	SEN-3276/2 C315	SEN-3277 C315	SEN-3277/1 C315	SEN-3277/2 C315
-1 to +1.5 bar	SEN-3276 C555	SEN-3276/1 C555	SEN-3276/2 C555	SEN-3277 C555	SEN-3277/1 C555	SEN-3277/2 C555
-1 to +5 bar	SEN-3276 C535	SEN-3276/1 C535	SEN-3276/2 C535	SEN-3277 C535	SEN-3277/1 C535	SEN-3277/2 C535
0 to 0.1 bar	SEN-3276 B126	SEN-3276/1 B126	SEN-3276/2 B126	-	-	-
0 to 0.16 bar	SEN-3276 B136	SEN-3276/1 B136	SEN-3276/2 B136	-	-	-
0 to 0.25 bar	SEN-3276 B146	SEN-3276/1 B146	SEN-3276/2 B146	SEN-3277 B146	SEN-3277/1 B146	SEN-3277/2 B146
0 to 0.4 bar	SEN-3276 B156	SEN-3276/1 B156	SEN-3276/2 B156	SEN-3277 B156	SEN-3277/1 B156	SEN-3277/2 B156
0 to 0.6 bar	SEN-3276 B015	SEN-3276/1 B015	SEN-3276/2 B015	SEN-3277 B015	SEN-3277/1 B015	SEN-3277/2 B015
0 to 1 bar	SEN-3276 B025	SEN-3276/1 B025	SEN-3276/2 B025	SEN-3277 B025	SEN-3277/1 B025	SEN-3277/2 B025
0 to 1.6 bar	SEN-3276 B035	SEN-3276/1 B035	SEN-3276/2 B035	SEN-3277 B035	SEN-3277/1 B035	SEN-3277/2 B035
0 to 2.5 bar	SEN-3276 B045	SEN-3276/1 B045	SEN-3276/2 B045	SEN-3277 B045	SEN-3277/1 B045	SEN-3277/2 B045
0 to 4 bar	SEN-3276 B055	SEN-3276/1 B055	SEN-3276/2 B055	SEN-3277 B055	SEN-3277/1 B055	SEN-3277/2 B055
0 to 6 bar	SEN-3276 B065	SEN-3276/1 B065	SEN-3276/2 B065	SEN-3277 B065	SEN-3277/1 B065	SEN-3277/2 B065
0 to 10 bar	SEN-3276 B075	SEN-3276/1 B075	SEN-3276/2 B075	SEN-3277 B075	SEN-3277/1 B075	SEN-3277/2 B075
0 to 16 bar	SEN-3276 B085	SEN-3276/1 B085	SEN-3276/2 B085	SEN-3277 B085	SEN-3277/1 B085	SEN-3277/1 B085
0 to 25 bar	SEN-3276 B095	SEN-3276/1 B095	SEN-3276/2 B095	SEN-3277 B095	SEN-3277/1 B095	SEN-3277/1 B095

More Measuring ranges see price list.