



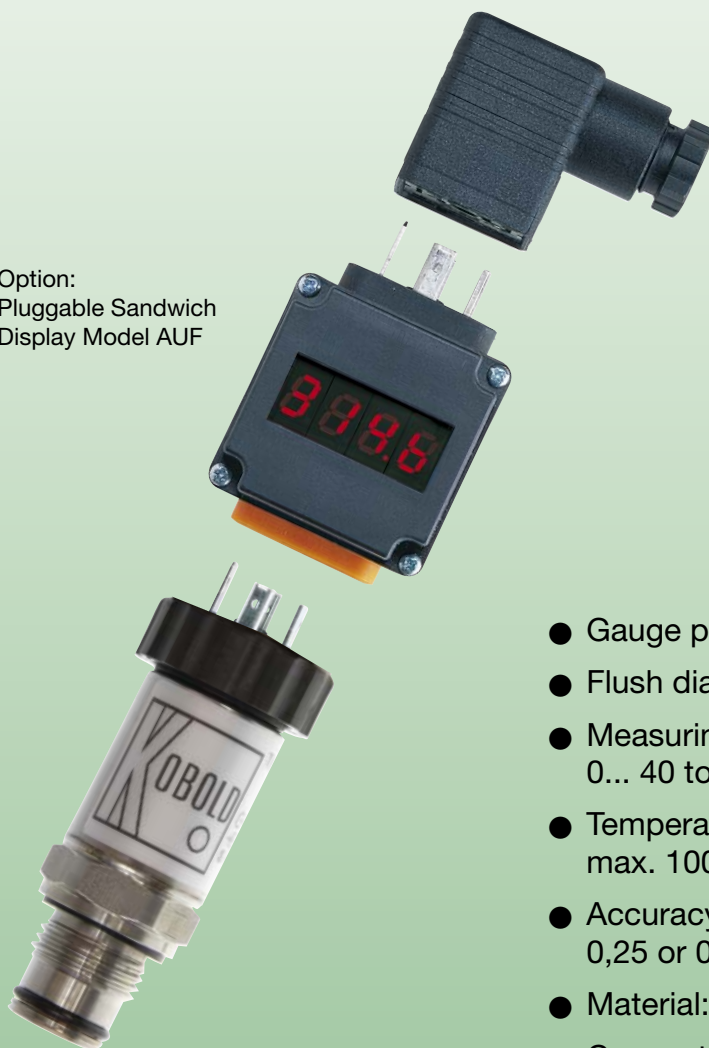
## Pressure Transducer Heavy Duty Industrial Thinfilm



measuring  
•  
monitoring  
•  
analysing

SEN-3344/3386

Option:  
Pluggable Sandwich  
Display Model AUF



- Gauge pressure
- Flush diaphragm
- Measuring range:  
0... 40 to 0 ... 600 bar
- Temperature (medium):  
max. 100 °C
- Accuracy class:  
0,25 or 0,5
- Material: stainless steel
- Connection: G ½ male



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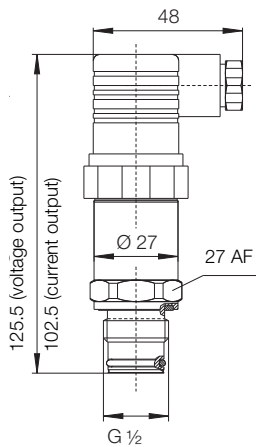
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**Description**

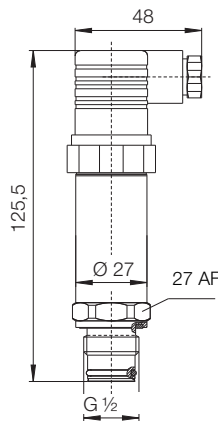
The Heavy Duty Industrial pressure transducers are leaders among pressure transducers. The flush type diaphragm allows the use with aggressive, viscous or crystallizing process fluids. This type of sealing permits cleaning of the process connections without residues. Case and wetted parts are stainless steel. Therefore they are extremely resistant against aggressive media and fulfill the most demanding requirements. Two adjustment potentiometers for zero and span render possible the use in most difficult applications like measurement of the hydrostatic column.

**Dimensions (in mm)**

SEN-3344...



SEN-3386...



**Applications**

- Plant construction
- Apparatus engineering
- Process engineering
- Development and laboratory

**Technical Data**

Technology: flush diaphragm  
 Pressure type: gauge pressure  
 Housing: stainless steel 1.4301  
 Connections: G 1/2 male  
 Wetted parts: stainless steel 1.4571, NBR  
 Sensor: thin-film  
 Max. temperature: storage: -40... +100°C  
 medium: -30... +100°C  
 ambient: -20... +80°C  
 Pressure limitation: 2 x range, vacuum-tight  
 Accuracy class: 0,25 or 0,5  
 Repeatability: ≤ ± 0,05 % of full scale  
 Stability per year: ≤ ± 0,2 % of full scale (at reference conditions)  
 Electrical connection: connector according to DIN 43 650  
 Auxiliary power: 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)  
 Variability: zero-point and span up to ± 10 %  
 Compensated range: 0... +80°C  
 Temperature influence: on zero-point and span  
 ± 0,2 % / 10 K  
 Protection: IP 65 (IP 67)

**Accessory**

Weld on Adapter for flush diaphragm transducer

| Connection                                     | Model         |
|--|---------------|
| Weld on adapter G 1/2                          | MZB-ESAR15    |
| Screw in adapter DIN 11851 1,5" x G 1/2 female | MZB-ESAF40R25 |
| Screw in adapter DIN 11851 2" x G 1/2 female   | MZB-ESAF50R25 |

**Order Details Sensor (Example: SEN-3344 A105)**

| Model  | Output  | Measuring range  | Connection   |
|--|---|--|--|
| <b>SEN-3344...</b><br>Accuracy class 0,25 %<br><br><b>SEN-3386...</b><br>Accuracy class 0,50 % | <b>without</b> = 4 - 20 mA, 2-wire<br>/1 = 0 ... 5 V <sub>DC</sub><br>/2 = 0 ... 10 V <sub>DC</sub> | <b>A 105</b> = 0 ... 40 bar<br><b>A 115</b> = 0 ... 60 bar<br><b>A 125</b> = 0 ... 100 bar<br><b>A 135</b> = 0 ... 160 bar<br><b>A 145</b> = 0 ... 250 bar<br><b>A 155</b> = 0 ... 400 bar<br><b>A 165</b> = 0 ... 600 bar | <b>without</b> = plug Form A (DIN 43650) incl. junction box<br><b>3</b> = plug M12x1 (4-pin, IP67)<br><b>5</b> = 2 m cable, IP67 |