



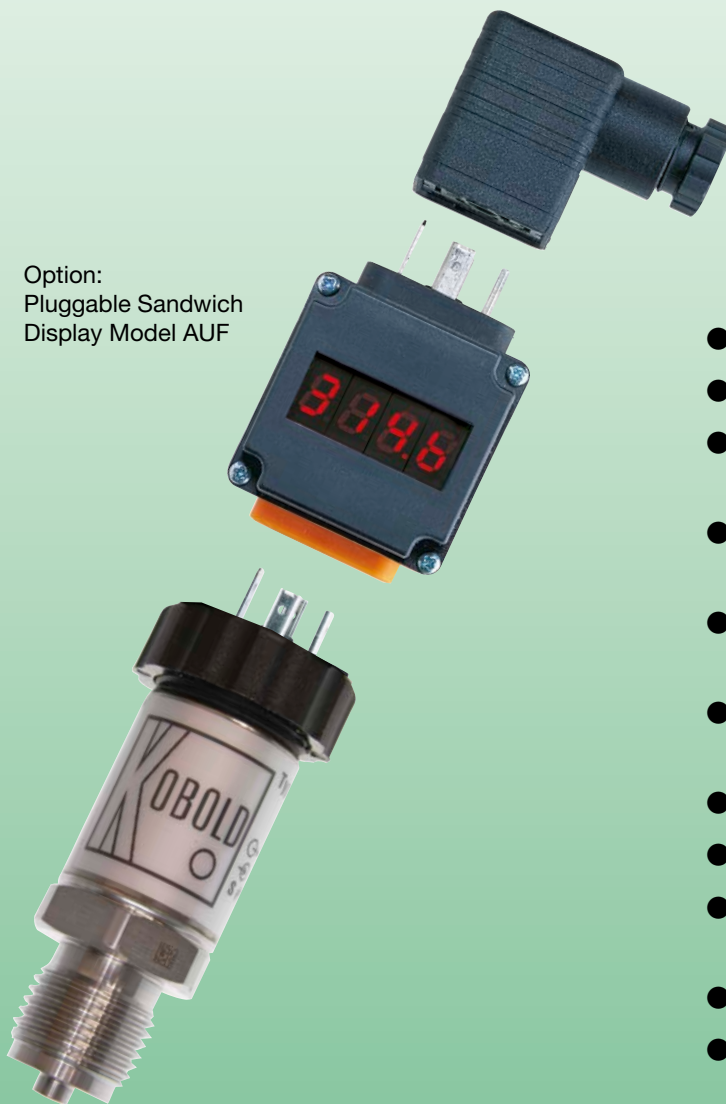
## Pressure Transducer Heavy Duty Industrial Thinfilm



measuring  
•  
monitoring  
•  
analysing

SEN-3376/3377

Option:  
Pluggable Sandwich  
Display Model AUF



- Gauge pressure
- Internal diaphragm
- Measuring range:  
0... 40 to 0 ... 1000 bar
- Measuring span  
from 100 mbar
- Temperature (medium):  
max. 100 °C
- Accuracy class:  
0,25 or 0,5
- Material: stainless steel
- Connection: G ½ male
- Oil and grease free  
on request
- LABS free on request
- Absolute pressure  
on request



P2

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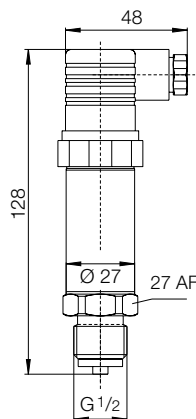
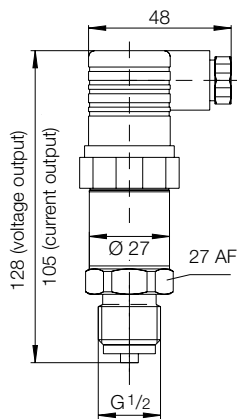
## Description

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 permit the use of these pressure transducers in most difficult applications like measurement of the hydro-static column.

## Dimensions (in mm)

SEN-3376...

SEN-3377...



## Technical Data

Version:	internal diaphragm
Pressure type:	gauge pressure (absolute pressure)
Housing:	stainless steel 1.4301
Connection:	G ½ male acc. to EN 837; G ¼ male, ¼ NPT and ½ NPT on request
Wetted parts:	stainless steel 1.4571 and 1.4542
Sensor element:	thinfilM
Max. Temperature:	storage: -40...+100 °C medium: -30...+100 °C ambient: -20...+80 °C
Pressure limitation:	≤ 600 bar: 2 x range, > 600 bar: 1.5 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 (under reference conditions)
Electr. connection:	plug acc. to 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 up to ± 5 %
Temp. comp. range:	0...+80 °C
Temperature influence:	on zero-point and span ± 0,2 % / 10 K
Protection:	IP 65

## Applications

- Plant construction
- Development and laboratory
- Process engineering
- Pneumatics
- Hydraulics

## Order Details Sensor (Example: SEN-3376 A105)

Model	Output	Measuring range	Connection
<b>SEN-3376...</b> Accuracy class 0.50 % <b>SEN-3377...</b> Accuracy class 0.25 %	<b>without</b> = 4-20 mA, 2-wire <b>/1</b> = 0...5 V <sub>DC</sub> <b>/2</b> = 0...10 V <sub>DC</sub>	<b>A 105</b> = 0 ... 40 bar <b>A 115</b> = 0 ... 60 bar <b>A 125</b> = 0 ... 100 bar <b>A 135</b> = 0 ... 160 bar <b>A 145</b> = 0 ... 250 bar <b>A 155</b> = 0 ... 400 bar <b>A 165</b> = 0 ... 600 bar <b>A 175</b> = 0 ... 1000 bar	<b>without</b> = plug Form A (DIN 43650) incl. junction box <b>3</b> = plug M12x1 (4-pin, IP67) <b>5</b> = 2 m cable, IP67