



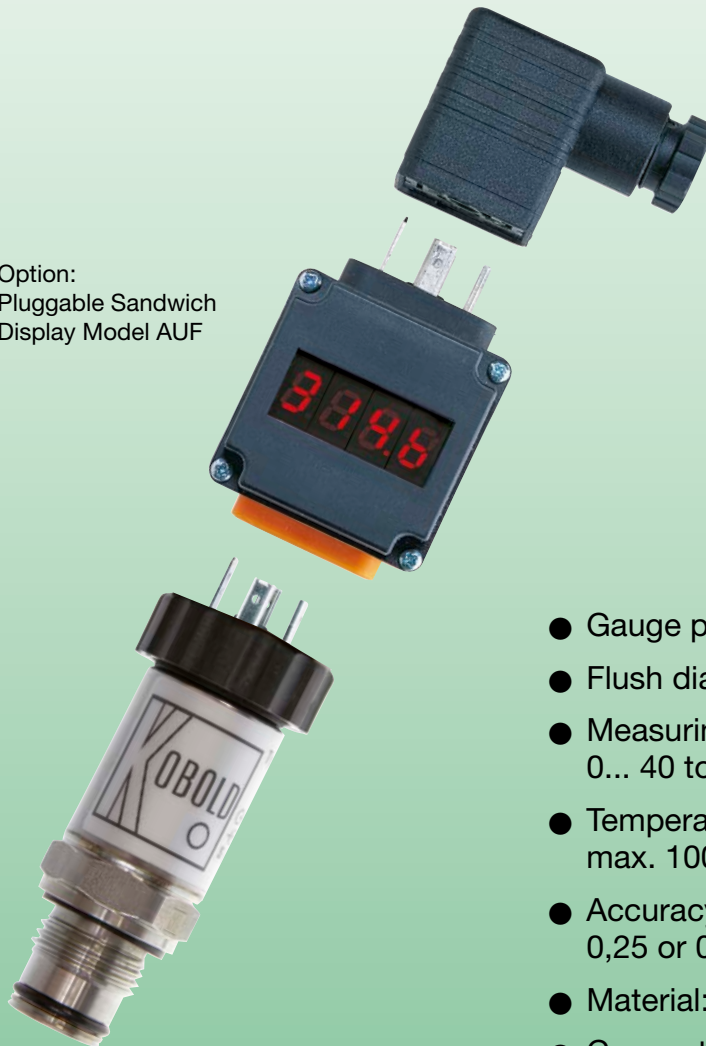
Pressure Transducer Heavy Duty Industrial Thinfilm



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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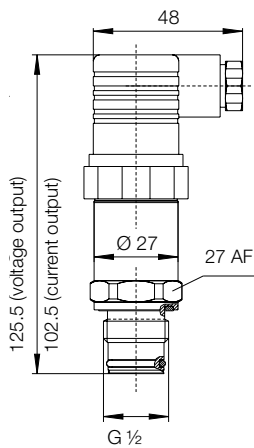
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Description

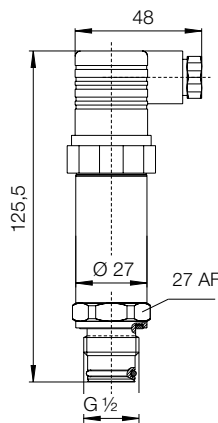
The Heavy Duty Industrial pressure transducers are leaders among pressure transducers. The flush type diaphragm allows the use with aggressive, viscous or crystallizing process fluids. This type of sealing permits cleaning of the process connections without residues. Case and wetted parts are stainless 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:	DIN EN 175301-803 (old DIN 43650)
Auxiliary power:	10 ... 30 V _{DC} (14 ... 30 V _{DC} for output 0-10 V)
Output:	4-20 mA (2-wire), 0-5 V _{DC} , 0-10 V _{DC}
Load (Ω):	≤ (U _B -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 and thread adapter for flush diaphragm sensor

Connection	Model
Weld-on adapter G 1/2	MZB-ESAR15
Thread adapter G 1/2 male x G 1/2 female	MZB-ESAR15R15
Thread adapter G 3/4 male x G 1/2 female	MZB-ESAR20R15
Thread adapter G 1 male x G 1/2 female	MZB-ESAR25R15
Thread adapter G 1 1/4 male x G 1/2 female	MZB-ESAR32R15
Thread adapter G 1 1/2 male x G 1/2 female	MZB-ESAR40R15

Order Details Sensor (Example: SEN-3344 A105)

Model	Output	Measuring range	Connection
SEN-3344... Accuracy class 0,25 % SEN-3386... Accuracy class 0,50 %	without = 4-20 mA, 2-wire /1 = 0 ... 5 V _{DC} (only SEN-3386) /2 = 0 ... 10 V _{DC}	A 105 = 0 ... 40 bar A 115 = 0 ... 60 bar A 125 = 0 ... 100 bar A 135 = 0 ... 160 bar A 145 = 0 ... 250 bar A 155 = 0 ... 400 bar A 165 = 0 ... 600 bar	without = plug Form A (DIN 43650) incl. junction box 3 = plug M12x1 (5-pin, IP 67) 5 = 2 m cable, IP 67