



26.600

OEM-Pressure Transmitter

- ▶ thickfilm ceramic sensor
- ▶ output signal
4 ... 20 mA / 2-wire
option: 0 ... 10 V / 3-wire
- ▶ nominal pressure ranges
from 0 ... 1 bar
up to 0 ... 400 bar
- ▶ accuracy acc. to IEC 60770:
0.5 % FSO



26.600

OEM Pressure Transmitter

Technical Data

Input pressure range																
Nominal pressure gauge	[bar]	-1...0 ¹	1	1.6	2.5	4	6	10	16	25	40	60	100	160	250	400
Nominal pressure abs.	[bar]		1	1.6	2.5	4	6	10	16	25	40	60	100	160	250	400
Permissible overpressure	[bar]	3	3	7	7	12	12	25	50	50	120	120	250	400	400	600

Output signal / Supply		
Standard	2-wire:	4 ... 20 mA / $V_S = 12 \dots 36 V_{DC}$
Option	3-wire:	0 ... 10 V / $V_S = 14 \dots 36 V_{DC}$

Performance	
Accuracy	$\leq \pm 0.5 \% \text{ FSO}$
Permissible load	current 2-wire: $R_{\max} = [(V_S - V_{S \min}) / 0.02] \Omega$ voltage 3-wire: $R_{\min} = 10 \text{ k}\Omega$
Influence effects	supply: 0.05 % FSO / 10 V / load: 0.05 % FSO / k Ω

Thermal effects	
Thermal error for offset and span	$\leq \pm 0.3 \% \text{ FSO} / 10 \text{ K}$
in compensated range	-25 ... 85 °C

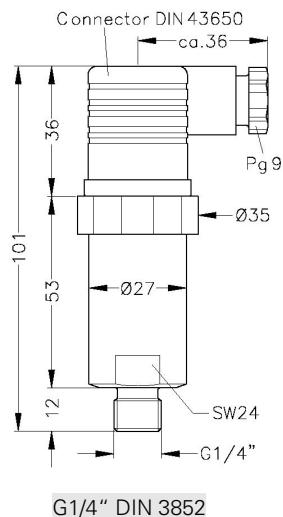
Mechanical stability			
Vibration	10 g RMS (20 ... 2000 Hz)	Shock	100 g / 11 ms

Permissible temperatures					
Medium	-25 ... 125 °C	Electronics / environment	-25 ... 85 °C	Storage	-40 ... 125 °C

¹ in this pressure range accuracy is $\leq 1 \% \text{ FSO}$

Mechanical connection

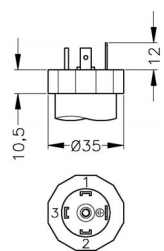
Standard



G1/4" DIN 3852

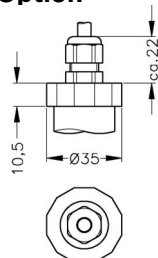
Electrical connection

Standard



DIN 43650 (IP 65)

Option

Cable gland (IP 67)²

Materials

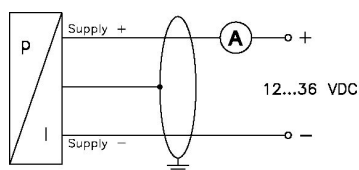
Pressure port / Housing	stainless steel 1.4305 (303)		
Seals (media wetted)	$P_n < 100$ bar: FKM	$P_n \geq 100$ bar: NBR	others on request
Diaphragm	ceramics Al_2O_3 96 %		
Media wetted parts	pressure port, seals, diaphragm		

Pin configuration

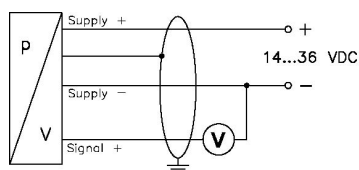
Electrical connection		DIN 43650	cable colours (DIN 47100)
2-wire-system	Supply +	1	white
	Supply -	2	brown
	Ground	ground contact	yellow / black
3-wire-system	Supply +	1	white
	Supply -	2	brown
	Signal +	3	green
	Ground	ground contact	yellow / black

Wiring diagrams

2-wire-system (current)



3-wire-system (voltage)

² different cable types and lengths available; standard: 2 m PVC cable (without ventilation tube), optionally cable with ventilation tube