



Pressure Transducer 17.60



- Stainless steel sensor, welded
- Economical execution
- Accuracy 0.5% FSO
- Up to 600 bar

D-EN-17-60_20200122



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Input											
Pressure range											
Nominal pressure [bar]	0 ... 6	0 ... 10	0 ... 16	0 ... 25	0 ... 40	0 ... 60	0 ... 100	0 ... 160	0 ... 250	0 ... 400	0 ... 600
permissible overpressure [bar]	12	35	35	120	120	120	350	350	1000	1000	1000
Vacuum areas											
Nominal pressure [bar]	-1 ... 6		-1 ... 10		-1 ... 16		-1 ... 25		-1 ... 40		-1 ... 60
permissible overpressure [bar]	12		35		35		120		120		120

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

Signal behavior	
Accuracy	$\leq \pm 0,5 \% \text{ FSO}$
Perm. resistance	electricity 2-wire: $R_{\max} = [(U_B - U_{B \min}) / 0,02] \Omega$ voltage 3-wire: $R_{\min} = 10 \text{ k}\Omega$
Influencing effects	Auxiliary energy: 0,05 % FSO / 10 V resistance: 0,05 % FSO / $\text{k}\Omega$

Temperature error (Zero point and span)	
Temperature error	$\leq \pm 0,3 \% \text{ FSO} / 10 \text{ K}$
in the compensated area	0 ... 70 °C

Electrical protection measures	
Short-circuit strength	permanent
Reverse polarity protection	no damage if connections are reversed, but also no function
Electromagnetic compatibility	interference emission and immunity to interference according to EN 61326

Mechanic solidity	
Vibration 10 g RMS (20 ... 2000 Hz)	Shock 100 g / 11 ms

Temperature ranges		
Medium -25 ... 85 °C; others on request	Electronics / ambient -25 ... 85 °C	Storage -40 ... 100 °C

Important instructions!

Technical changes and errors reserved.

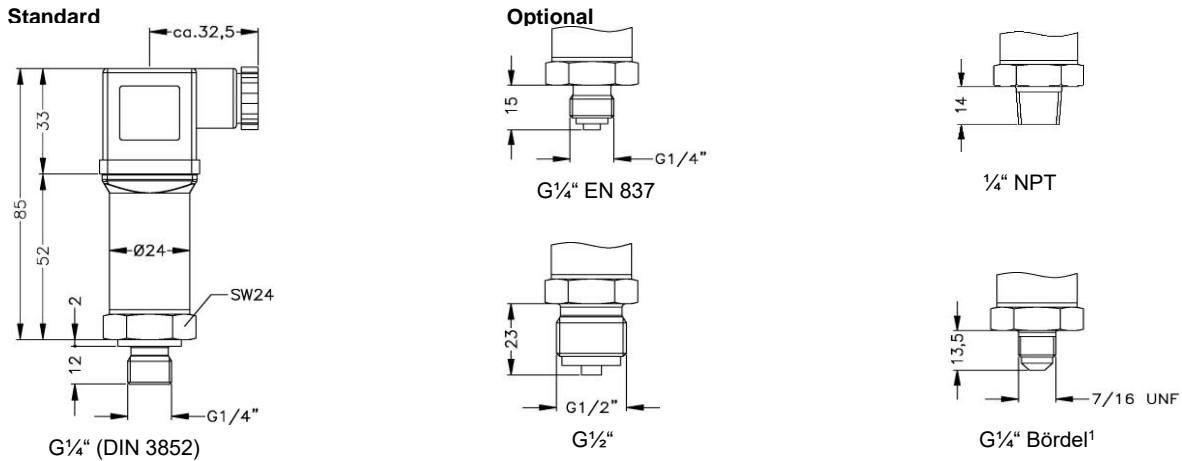
Pictures can be similar.

The operating instructions belonging to this device must be observed! Download at www.schmidt-messtechnik.com.

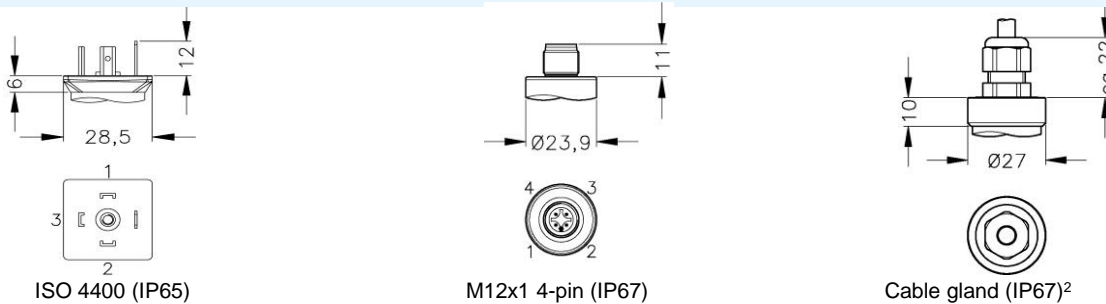


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Mechanical connections (dimensions in mm)

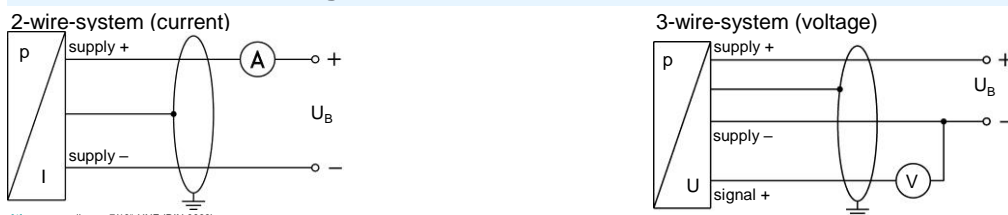


Electrical connections (dimensions in mm)



Material			
Pressure connection	stainless steel 1.4571		
Housing	stainless steel 1.4301		
Seal pressure connection	only with G 1/4 " (DIN 3852): NBR		
Seal sensor	without (welded)		
Separating membrane	stainless steel 1.4542		
Wetted parts	Pressure connection, seal pressure connection, separating membrane		
Pin configuration			
Electrical connections	ISO 4400	M12x1 (4-polig), metal	Cable colors (DIN 47100)
Supply +	1	1	white
Supply -	2	2	brown
Signal + (with 3-wire)	3	3	green
mass	mass contact	4	yellow / green (electric screen)

Connection circuit diagram



[1] corresponding to 7/16" UNF (DIN 3866)
 [2] Standard: 2 m PVC-cable (without ventilation hose)

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The information in this data sheet contains the specification of the products, not the assurance of properties. Technical changes reserved.