

26.607 G



Applications

- ▶ domestic waste water
- environmental and building services engineering

Characteristics

- ceramic sensor
- accuracy 1 % FSO according to IEC 60770
- nominal pressure ranges from 0 ... 4 mH₂O up to 0 ... 40 mH₂O







Technical Data

Input pressure range						
Level	[mH ₂ O]	4	6	10	20	40
Overpressure	[mH ₂ O]	10	20	20	40	100
Burst pressure ≥	[mH ₂ O]	20	40	40	50	120

Output signal / Supply							
Standard	2-wire: 4 20 mA / V _S = 8 32 V _{DC}						
Option 3-wire	3-wire: $0 \dots 10 \text{ V}$ / $V_S = 14 \dots 30 \text{ V}_{DC}$						
	3-wire ratiometric: $10 \dots 90\%$ of V_S / $V_S = 2.7 \dots 5 V_{DC}$						
Performance							
Accuracy ¹	≤±1%FSO						
Permissible load	2-wire: $R_{\text{max}} = [(V_S - V_{S \text{ min}}) / 0.02 \text{ A}] \Omega$						
	3-wire: R_{min} = 10 kΩ						
Influence effects	supply: 0.05 % FSO / 10 V load: 0.05 % FSO / kΩ						
Response time	2-wire: ≤ 10 msec						
	3-wire: ≤ 3 msec						
Long term stability	≤ ± 0.3 % FSO / year at reference conditions						
Measuring rate	1 kHz						
¹ accuracy according to IEC 607	70 – limit point adjustment (non-linearity, hysteresis, repeatability)						
Thermal effects (Offset and Sp	pan) / Permissible temperatures						
Thermal error	≤ ± 0.5 % FSO / 10 K in compensated range 0 60 °C						
Permissible temperatures medium / electronics / environment / storage: -10 70 °C							
Electrical protection							
Short-circuit protection	permanent 3-wire ratiometric: none						
Reverse polarity protection	no damage, but also no function						
Electromagnetic compatibility	ibility emission and immunity according to EN 61326						
Mechanical stability							
Vibration	10 g, 25 Hz 2 kHz according to DIN EN 60068-2-6						
Shock	500 g / 1 msec according to DIN EN 60068-2-27						

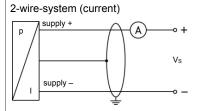
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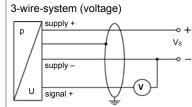
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Materials (media wetted)			
Housing	stainless steel 1.4404 (316 L)		
Seal (media wetted)	FKM		
Diaphragm	ceramics Al ₂ O ₃ 96 %		
Cable sheath	HDPE		
Miscellaneous	•		
Weight (without cable)	approx. 85 g		
Cable length	3 m, 6 m, 9 m or 12 m, others or	request	
Current consumption	2-wire: max. 25 mA 3-wire voltage: max. 7 mA	3-wire ratiometric: typ. 1.5 mA	
Operational life	100 million load cycles		
Ingress protection	IP 68		
CE-conformity	EMC Directive: 2014/30/EU		
Wiring diagrams			

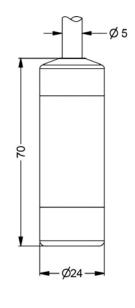




Pin configuration

Electrical connection	cable colours (IEC 60757)	
Supply +	WH (white)	
Supply –	BN (brown)	
Signal + (for 3-wire)	GN (green)	
Shield	GNYE (green-yellow)	

Dimensions (in mm)



BD SENSORS
pressure measurement

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26.607 G Input [mH₂O] 4 0 0 0 6 0 0 0 1 0 0 1 2 0 0 1 4 0 0 1 9 9 9 9 6 10 20 40 customer consult Output 4 ... 20 mA / 2-wire 0 ... 10 V / 3-wire 3 10 ... 90% of $V_{\rm S}$ / 3-wire ratiometric R customer 9 consult Accuracy 1 % FSO 8 customer 9 consult Electrical connection HDPE-cable Н customer 9 consult cable length 0 0 3 0 0 6 0 0 9 0 1 2 9 9 9 3 m 6 m 9 m 12 m customer mechanical connection open port prepared for enclosure H Z 0 9 9 9 customer consult FKM customer 9 consult Special version 0 0 0 9 9 9 standard customer consult

Ordering code 26.607 G

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