

26.600 G

OEM Pressure Transmitter Standard

Applications

- ▶ mechanical and plant engineering
- ▶ general industrial applications

Characteristics

- ▶ ceramic sensor
- ▶ accuracy 0.5 % span according to EN IEC 62828-2
- ▶ nominal pressure ranges from 0 ... 1 bar up to 0 ... 400 bar
- ▶ option: oil and grease free version



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		
Overpressure [bar]	3	3	5	5	12	12	20	50	50	120	120	200	400	400	650		
Burst pressure ≥ [bar]	4	4	7	7,5	15	18	30	70	75	150	180	300	500	750	1000		
Vacuum resistance	unlimited																

¹ for this pressure range accuracy is ≤ 1 % span IEC 60770

Output signal / Supply			
Standard	2-wire:	4 ... 20 mA	/ V _S = 8 ... 32 V _{DC}
Options	3-wire:	0 ... 10 V	/ V _S = 14 ... 30 V _{DC}
	3-wire ratiometric:	10...90 % of V _S	/ V _S = 2.7...5 V _{DC}

Performance	
Accuracy ²	≤ ± 0.5 % span for P _N -1...0 bar: ≤ 1 % span
Permissible load	2-wire: R _{max} = [(V _S - V _{Smin}) / 0.02 A] Ω 3-wire: R _{min} = 10 kΩ
Influence effects	supply: 0.05 % span / 10 V load: 0.05 % span / kΩ
Response time	2-wire: ≤ 10 msec 3-wire: ≤ 3 msec
Long term stability	≤ ± 0.3 % span / year at reference conditions
Measuring rate	1 kHz

² accuracy according to EN IEC 62828-2 – limit point adjustment (non-linearity, hysteresis, repeatability)

Thermal effects (Offset and Span) / Permissible temperatures			
Thermal error	≤ ± 0.3 % span / 10 K	in compensated range: -25 ... 85 °C	
Permissible temperatures	medium: -25 ... 125 °C	electronics / environment: -25 ... 85 °C	storage: -40 ... 85 °C

Electrical protection	
Short-circuit protection	permanent 3-wire ratiometric: none
Reverse polarity protection	no damage, but also no function
Electromagnetic protection	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



Ordering code OEM 26.600G

9.12.2020

OEM 26.600G

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Input [bar]

0 ... 1	1	0	0	1																
0 ... 1,6	1	6	0	1																
0 ... 2,5	2	5	0	1																
0 ... 4	4	0	0	1																
0 ... 6	6	0	0	1																
0 ... 10	1	0	0	2																
0 ... 16	1	6	0	2																
0 ... 25	2	5	0	2																
0 ... 40	4	0	0	2																
0 ... 60	6	0	0	2																
0 ... 100	1	0	0	3																
0 ... 160	1	6	0	3																
0 ... 250	2	5	0	3																
0 ... 400	4	0	0	3																
-1 ... 0 (accuracy 1%)	X	1	0	2																
Customer	9	9	9	9																
Customer - underpressure (accuracy 1%)	X	X	X	X																

Pressure

Gauge																				R
Absolute																				A

Output

4 ... 20 mA / 2-wire																				1
0 ... 20 mA / 3-wire																				2
0 ... 10 V / 3-wire																				3
0 ... 5 V / 3-wire																				4
4 ... 20 mA / 3-wire																				7
1 ... 5 V / 3-wire																				C
10 ... 90 % Vs / 3-wire ratiometric (Vs = 2,7 ... 5 V DC)																				R
Customer																				9

Accuracy

0,5 %																				5
1 % (underpressure ranges)																				8
0,5 % including Calibration Certificate																				T
1 % including Calibration Certificate																				U
Table of measured values for accuracy 0,5 %																				N
Customer																				9

Electrical connection

Connector DIN 43650 (ISO 4400) (IP 65)																				1	0	0
Cable gland PG7 / cable length specify (IP 67)																				4	0	0
+ PVC cable / 1 m																						
Connector DIN 43650 (ISO 4400) - potting compound inside (IP 67)																				E	0	0
Connector M12 x 1, 4-pin (IP 67)																				M	0	0
Connector M12 x 1, 4-pin (IP 67) - metal																				M	1	0
Cable outlet / cable length specify (IP 67) ¹																				T	A	0
+ PVC cable / 1 m																						
Customer																				9	9	9



BD SENSORS s.r.o.
Hradištská 817
CZ – 687 08 Buchlovice

Tel.: +420 572 411 011
Fax: +420 572 411 497

www.bdsensors.cz
info@bdsensors.cz



The company BD SENSORS s.r.o. is certified by TÜV SÜD Czech according to the standard ISO 9001.

Mechanical connection						
G 1/2" DIN 3852	1	0	0			
G 1/2" EN 837	2	0	0			
G 1/4" DIN 3852	3	0	0			
G 1/4" EN 837	4	0	0			
M 20 x 1,5 EN 837 (max. for 250 bar)	8	0	0			
1/4" NPT	N	4	0			
M 12 x 1,5 DIN 3852	C	0	0			
G 1/2" DIN 3852 open	H	0	0			
G 1/8" DIN 3852	Z	3	7			
Customer	9	9	9			
Seals						
Viton (FKM)				1		
EPDM				3		
Customer				9		
Special version						
Standard					0	0
Oxygen application ($P_N \leq 25$ bar)					0	7
Oil and grease free					0	8
With throttle screw M4					0	0
Customer					9	9

0,-...without additional charge

On request... in accordance with the producer

1 - cable without through capillary (permissible temperature -5 ... +70°C)

Surcharges for calibration are not subject to any discounts. Subject to change. □

This document contains the specification for ordering the product;
detailed technical parameters of the product and its possible variants are given in the data sheet.
BD SENSORS reserves the right to change sensor specifications without further notice.



BD SENSORS s.r.o.
Hradištská 817
CZ – 687 08 Buchlovice

Tel.: +420 572 411 011
Fax: +420 572 411 497

www.bdsensors.cz
info@bdsensors.cz

The company BD SENSORS s.r.o. is certified by TÜV SÜD Czech according to the standard ISO 9001.

