



Pressure transmitter

Huba Control

Relative pressure transmitter Type 526



The compact type 526 pressure transmitter is based upon the well proven ceramic technology developed by Huba Control over 20 years ago.

The pressure transmitter with its large variety of pressure- and electrical connection has also pressure ranges from 100 mbar full scale. These units are available in high quantities for OEM customers with an excellent price to performance ratio.

Pressure range
0 ... 0.1 – 0.6 bar

- + Compact and rugged construction
- + Ideal price / performance ratio
- + Pressure ranges from 100 mbar full scale available
- + Large selection of connections available

Technical overview

Pressure range				
Relative	0 ... 0.1 – 0.6 bar			
Operating conditions				
Medium	Liquids and neutral gases			
Temperature	Medium	FPM	-15 ... +85 °C	
		EPDM / MVQ	-25 ... +85 °C	
		NBR	-20 ... +85 °C	
		Ambient	-25 ... +85 °C	
	Storage	-40 ... +85 °C		
Tolerable overload / Rupture pressure		3 bar		
Materials				
Plug accommodation	Polyarylamid 50% GF UL 94 V-0			
Materials in contact with medium	Pressure connection	Stainless steel 1.4404 / AISI 316L		
		PVDF		
	Sensor	Ceramic Al ₂ O ₃ (96%)		
	Sealing material	FPM, EPDM, NBR, MVQ		
Electrical overview				
3 wire	Output ratiom. 10 ... 90%	Power supply 5 VDC ± 10%	Load >10 kOhm / < 100 nF	Current consumption < 7 mA
Polarity reversal protection	Short circuit proof and protected against polarity reversal. Each connection is protected against crossover up to max. supply voltage.			
Insulation voltage	500 VDC			
Dynamic response				
Response time	< 100 ms			
Load cycle	< 30 Hz			
Electrical connection		Protection standard	Protection class	
Connector DIN EN 175301-803-A		IP 65	III	
Connector DIN EN 175301-803-C (industrial standard 9.4 mm)		IP 65	III	
Connector M12x1		IP 67	III	
Pressure connection				
Inside thread	G ¼ with O-ring seal FPM (-30 ... +135 °C)			
	¼ -18 NPT			
Outside thread	G ½ sealed at front			
	G ½ sealed at back DIN EN ISO 1179-2 with profile seal FPM (-30 ... +135 °C)			
	G ¼ sealed at back DIN EN ISO 1179-2 with profile seal FPM (-30 ... +135 °C)			
	G ¼ sealed at front			
	G ½ sealed at back and manometer (combi) with profile seal FPM (-30 ... +135 °C)			
	G ½ sealed at front			
Installation arrangement				
Unrestricted				
Tests / Admissions				
Electromagnetic compatibility		CE conformity acc. EN 61326-2-3		
EAC				
Weight				
~ 90 g				
Packaging (Please state on order)				
Single packaging in cardboard		accessories integrated		
Multiple packaging in cardboard (25 pcs)				

Accuracy

Parameter	Adjustment position - vertical, pressure connection downward
Characteristic line incl. thermal characteristic	± (1.8 mbar + 0.2% fs)
Resolution	0.1% fs
Long term stability acc. IEC EN 60770-1	± 0.3% fs
Positional error:	horizontal installation: ~ 0.3% fs
	vertical installation Pressure connection upwards: ~ 0.4% fs

			1	2	3	4	5	6	7	8	9	10	11
Order code selection in bar			526.	X	X	X	X	X	X	X	X	X	X
Pressure range ¹⁾	0 ... 0.1 bar		9	2	2								
	0 ... 0.16 bar		9	2	3								
	0 ... 0.2 bar		9	2	4								
	0 ... 0.25 bar		9	2	5								
	0 ... 0.3 bar		9	2	6								
	0 ... 0.4 bar		9	2	7								
	0 ... 0.6 bar		9	2	8								
Sealing material	FPM	Fluoro elastomer				0	0						
	EPDM	Ethylene propylene				1	0						
	NBR	Butadiene acrylonitrile				2	0						
	MVQ	Silicone polymer				3	0						
Output / power supply	ratiom. 10 ... 90%	5VDC ±10%						7					
Electrical connection	Connector	DIN EN 175301-803-A ²⁾							1				
		DIN EN 175301-803-C (industrial standard 9.4 mm) ²⁾							2				
		M12x1 ²⁾							3				
Pressure connection ¹⁾	inside thread	G ¼ with O-ring sealed FPM								1	1	1	
		¼ -18 NPT								3	1	1	
		G ¼ sealed at back DIN EN ISO 1179-2 with profile seal FPM									4	1	1
		G ¼ sealed at front									J	1	2
	outside thread	G ½ sealed at front									M	1	1
		G ½ sealed at back DIN EN ISO 1179-2 with profile seal FPM									H	1	1
		G ½ sealed at back and manometer with profile seal FPM									8	1	1
		G ½ sealed at front									9	1	
Material	Stainless steel 1.4404 / AISI 316 L											1	
Pressure connection	PVDF outside thread sealed at front for G ¼, G ½											2	
Pressure range variation (optional)	Indicate W and sate range on order (e.g.: W0... + 0.5bar/OUT0.5...4.5V)												W

			1	2	3	4	5	6	7	8	9	10	11
Order code selection in psi			526.	X	X	X	X	X	X	X	X	X	X
Pressure range ¹⁾	0 ... 2 psi		9	B	2								
	0 ... 3 psi		9	B	4								
	0 ... 5 psi		9	B	6								
	0 ... 10 psi		9	B	8								
Sealing material	FPM	Fluoro elastomer				0	0						
	EPDM	Ethylene propylene				1	0						
	NBR	Butadiene acrylonitrile				2	0						
	MVQ	Silicone polymer				3	0						
Output / power supply	ratiom. 10 ... 90%	5VDC ±10%						7					
Electrical connection	Connector	DIN EN 175301-803-A ²⁾							1				
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		M12x1 ²⁾							3				
Pressure connection ¹⁾	Inside thread	G ¼ with O-Ring seal FPM								1	1	1	
		¼ -18 NPT								3	1	1	
		G ¼ sealed at back DIN EN ISO 1179-2 with profile seal FPM									4	1	1
		G ¼ sealed at front									J	1	2
	Outside thread	G ½ sealed at front									M	1	1
		G ½ sealed at back DIN EN ISO 1179-2 with profile seal FPM									H	1	1
		G ½ sealed at back and manometer with profile seal FPM									8	1	1
		G ½ sealed at front									9	1	
Material	Stainless steel 1.4404 / AISI 316 L											1	
pressure connection	PVDF outside thread sealed at front for G ¼, G ½											2	
Pressure range variation (optional)	Indicate W and sate range on order (e.g.: W0... + 0.4psi/OUT0.5...4.5V)												W

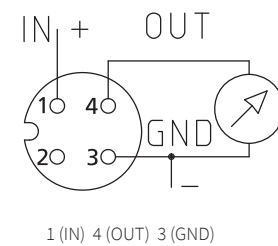
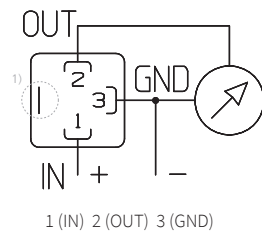
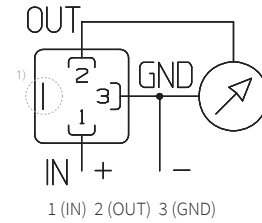
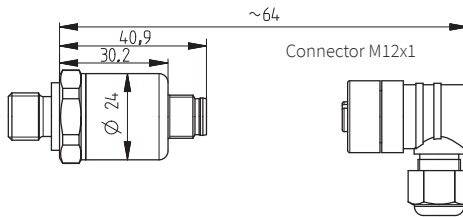
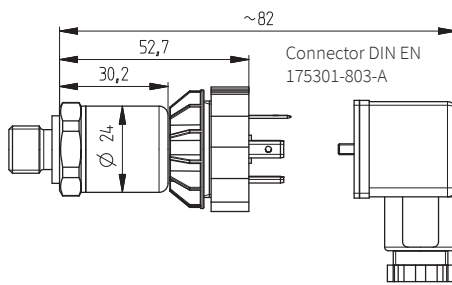
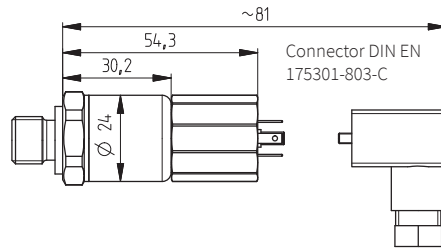
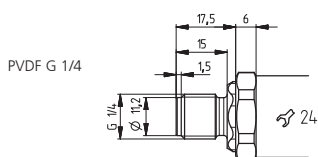
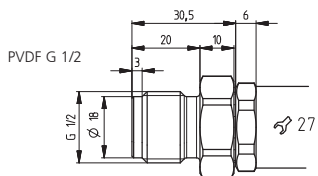
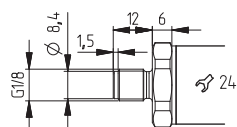
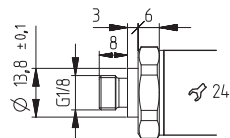
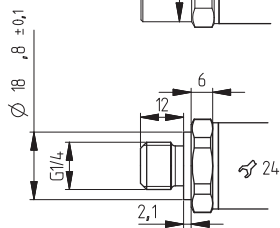
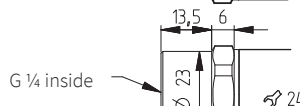
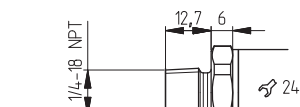
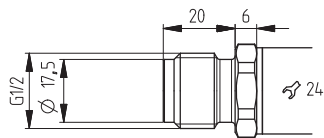
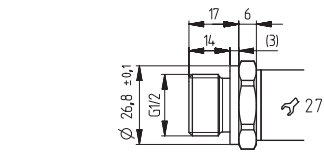
			1	2	3	4	5	6	7	8	9	10	11
Order code selection in MPa			526.	X	X	X	X	X	X	X	X	X	X
Pressure range ¹⁾	0 ... 0.01 MPa		9	G	2								
	0 ... 0.016 MPa		9	G	3								
	0 ... 0.02 MPa		9	G	4								
	0 ... 0.025 MPa		9	G	5								
	0 ... 0.03 MPa		9	G	6								
	0 ... 0.04 MPa		9	G	7								
	0 ... 0.06 MPa		9	G	8								
Sealing material	FPM	Fluoro elastomer				0	0						
	EPDM	Ethylene propylene				1	0						
	NBR	Butadiene acrylonitrile				2	0						
	MVQ	Silicone polymer				3	0						
Output / power supply	ratiom. 10 ... 90%	5VDC ±10%						7					
Electrical connection	Connector	DIN EN 175301-803-A ²⁾							1				
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		M12x1 ²⁾							3				
Pressure connection ¹⁾	Inside thread	G ¼ with O-ring seal FPM								1	1	1	
		¼ -18 NPT								3	1	1	
		G ¼ sealed at back DIN EN ISO 1179-2 with profile seal FPM									4	1	1
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Material	Stainless steel 1.4404 / AISI 316 L											1	
pressure connection	PVDF outside thread sealed at front for G ¼, G ½											2	
Pressure range variation (optional)	Indicate W and sate range on order (e.g.: W0... + 0.05MPa/OUT0.5...4.5V)												W

¹⁾ Other pressure ranges and pressure connection on request

²⁾ Delivery without female connector

Female connector DIN EN 175301-803-A with seal	103510
Female connector DIN EN 175301-803-C with seal	104244
Corner-wire box for connector M12x1	106975
Calibration certificate	104551

Dimensions in mm / Electrical connections



¹⁾ Not connected with transmitter housing

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