



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
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Operating conditions

Medium		Liquids and neutral gases
		FPM -15 ... +85 °C
		EPDM / MVQ -25 ... +85 °C
		NBR -20 ... +85 °C
Temperature	Medium	-25 ... +85 °C
	Ambient	-40 ... +85 °C
	Storage	3 bar
Tolerable overload / Rupture pressure		

Materials

Plug accommodation		Polyarylamid 50% GF UL 94 V-0
	Pressure connection	Stainless steel 1.4404 / AISI 316L
		PVDF
Materials in contact with medium	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 1/4 with O-ring seal FPM (-30 ... +135 °C)
	1/4 -18 NPT
	G 1/8 sealed at front
	G 1/8 sealed at back DIN 3852-E with profile seal FPM (-30 ... +135 °C)
Outside thread	G 1/4 sealed at back DIN 3852-E with profile seal FPM (-30 ... +135 °C)
	G 1/4 sealed at front
	G 1/2 sealed at back and manometer (combi) with profile seal FPM (-30 ... +135 °C)
	G 1/2 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 3852-E 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 3852-E 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					
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		¼ -18 NPT								3	1	1	
		G ¼ sealed at back DIN 3852-E 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 3852-E 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

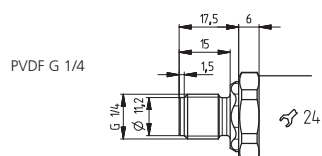
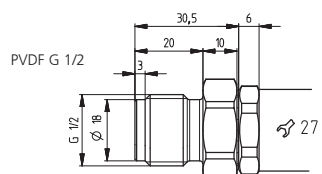
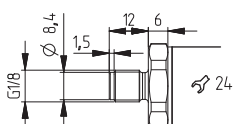
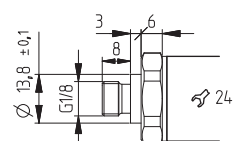
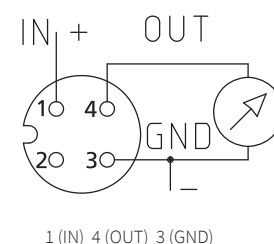
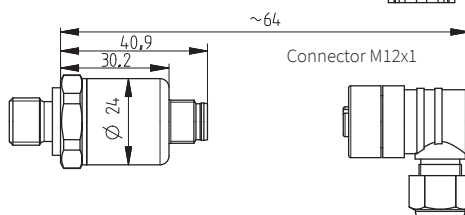
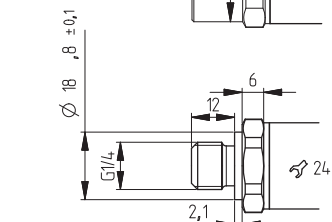
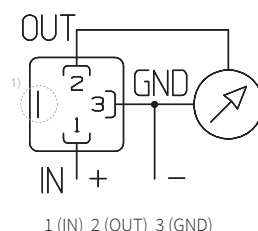
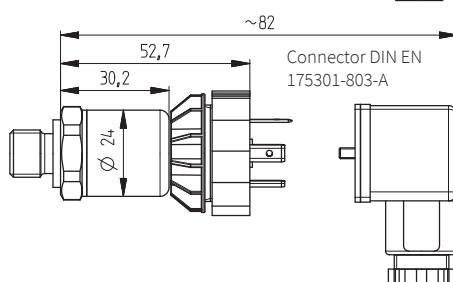
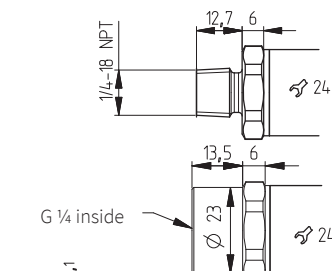
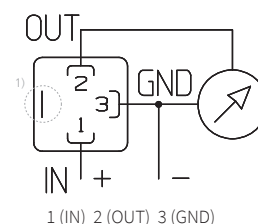
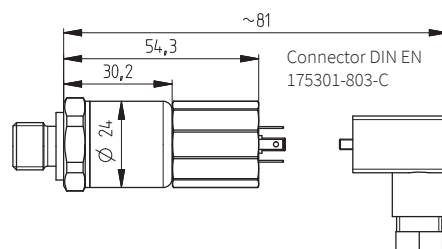
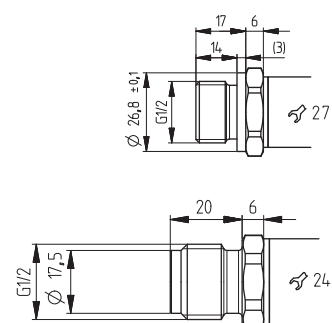
			1	2	3	4	5	6	7	8	9	10	11
Order code selection in MPa			526.	X	X	X	X	X	X	X	X	X	X
Pressure range ¹⁾	0 ... 0.01 MPa		9	G	2								
	0 ... 0.016 MPa		9	G	3								
	0 ... 0.02 MPa		9	G	4								
	0 ... 0.025 MPa		9	G	5								
	0 ... 0.03 MPa		9	G	6								
	0 ... 0.04 MPa		9	G	7								
	0 ... 0.06 MPa		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				
		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 seal FPM								1	1	1	
		¼ -18 NPT								3	1	1	
		G ¼ sealed at back DIN 3852-E 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 3852-E 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... + 0.05MPa/OUT0.5...4.5V)												W

¹⁾ Other pressure ranges and pressure connection on request

²⁾ Delivery without female connector

Accessories	Order number
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



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