

Relative pressure transmitter Typ 526

Pressure range
0 ... 0.1 – 0.6 bar



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.

- 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

FPM -15 ... +85 °C

EPDM / MVQ -25 ... +85 °C

NBR -20 ... +85 °C

Temperature Ambient -25 ... +85 °C

Storage -40 ... +85 °C

Tolerable overload / Rupture pressure 3 bar

Materials

Plug accommodation Polyarylamid 50% GF UL 94 V-0

Pressure connection Stainless steel 1.4404 / AISI 316L

Materials in contact with medium PVDF

Sensor Ceramic Al₂O₃ (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

Protection class

Protection class III

Dynamic response

Response time < 100 ms

Load cycle < 30 Hz

Protection standard

DIN connector EN 175301-803 IP 65

Connector M12x1 IP 67

Electrical connection

Connector DIN EN 175301-803-A

Connector DIN EN 175301-803-C (industrial standard 9.4 mm)

Connector M12x1

Pressure connection

Inside thread G ¼ with O-ring seal FPM (-30 ... +135 °C)

¼ -18 NPT

G ½ sealed at front

G ½ sealed at back DIN 3852-E with profile seal FPM (-30 ... +135 °C)

Outside thread G ¼ sealed at back DIN 3852-E 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

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 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	
		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 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						
		DIN EN 175301-803-C (industrial standard 9.4 mm) ²⁾							2						
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		G ½ sealed at back and manometer with profile seal FPM										8	1	1	
	G ½ sealed at front									9	1				
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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 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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		G ½ sealed at front										M	1	1	
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	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

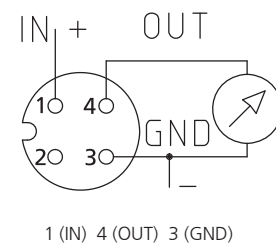
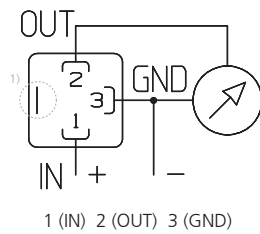
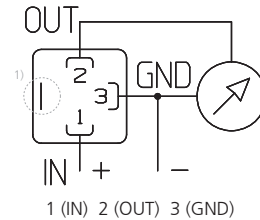
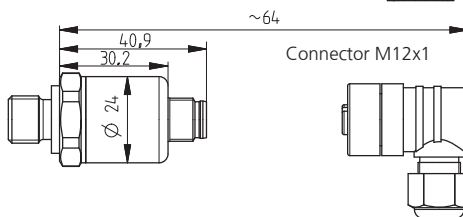
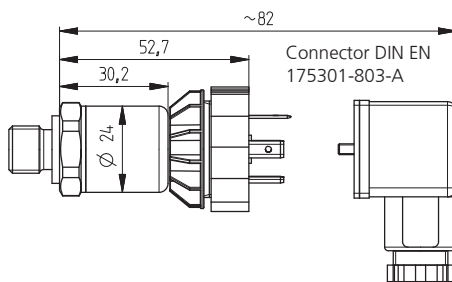
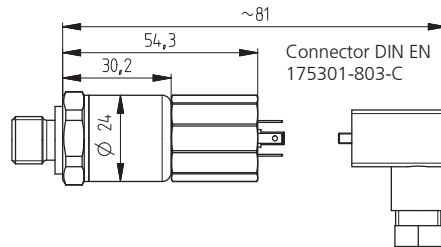
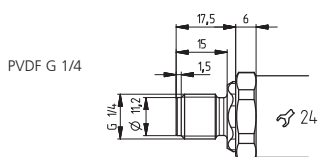
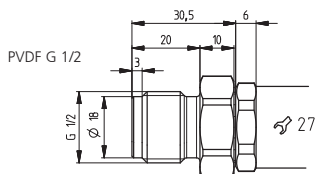
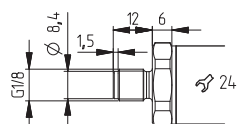
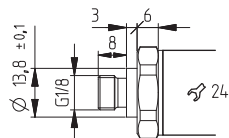
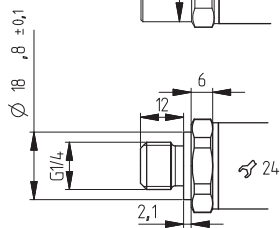
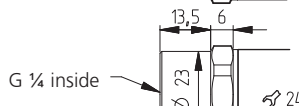
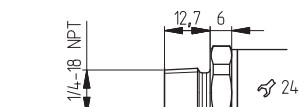
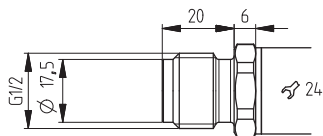
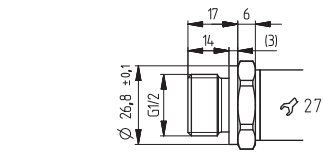
²⁾ Delivery without female connector

Accessories

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

Order number
 103510
 104244
 106975
 104551

Dimensions in mm / Electrical connections



¹⁾ Not connected with transmitter housing

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