

Bourdon tube pressure gauge, Article D10 (Standard pressure gauge)

Connection G 1/2"

The mechanical model D10 Bourdon tube pressure gauge is constructed with a case from stainless steel and wetted parts from copper alloy. The model D10 meets the requirements of the international industry standard EN 837-1 for Bourdon tube pressure gauges.

☞ **Connection below G 1/2" body size Ø 100,0 and Ø 160,0 mm**



☞ **Connection back G 1/2" body size Ø 100,0 and Ø 160,0 mm**

Frequent measuring points are found in the machine building, plant construction and building services industries. The model D10 can also be used in refrigeration applications. The cases are available in nominal sizes of 100 and 160 mm and fulfil IP54 ingress protection. With an accuracy class of 1.0, this pressure gauge is suitable for the process industry.



Connection below (radial)

Connection back (axial)

	Ambient	-40°C ... +60°C
	Medium	0°C ... +80°C

Applications:

- For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts
- Building services
- Refrigeration technology
- Medical technology

Special features:

- Durable and robust
- Cost-effective and reliable
- Design per EN 837-1
- Nominal size Ø 100, Ø 160
- Scale ranges up to 0 160 bar

For mounting in control panels, the pressure gauges can be fitted with a mounting flange or with a triangular bezel and mounting bracket.

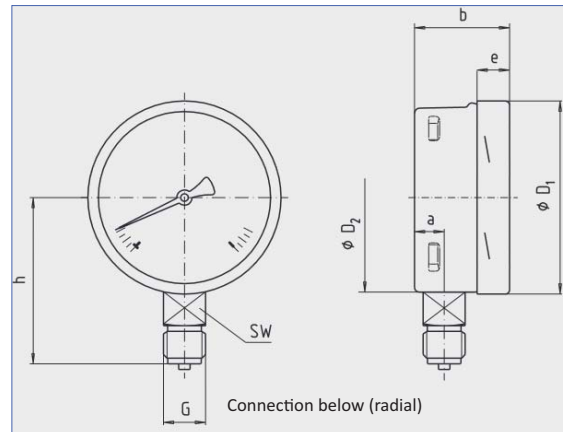
Article D10 Specifications

Accuracy class	1,0
Pressure limitation	Steady: Full scale value Fluctuating: 0,9 x Full scale value Short time: 1,3 x Full scale value
Process connection	Copper alloy, lower back mount
Pressure element	< 100 bar Copper alloy, C-type ≥ 100 bar Stainless steel 316L, helical type
Movement	Copper alloy, wear parts argentan
Dial	Aluminium white, black lettering
Pointer	Aluminium, black
Case/Ring	Stainless steel, Bayonet ring
window	Instrument glass

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NS 100 / NS 160



diameter NS	Connection below G	Article-No.:	Dimensions in mm							
		Connection below radial	a	b	D ₁	D ₂	e	h ±1	SW	weight (kg)
100	G 1/2"	325.4134.5.63-x	15,5	49,5	101	100	17,5	87	22,0	0,18
160	G 1/2"	325.4135.4.63-x	15,5	49,5 ¹⁾	161	160	17,5	118	22,0	0,21

¹⁾ Plus 16 mm with scale ranges ≥ 100 bar

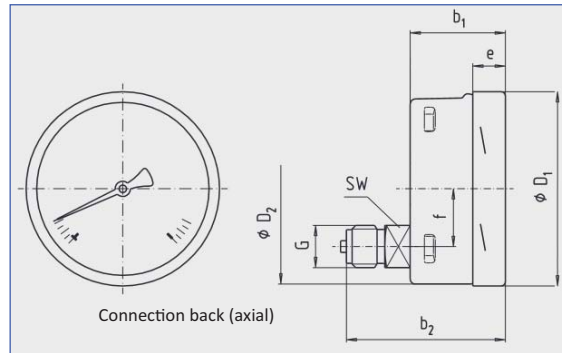
Scale ranges D10 below radial					
Article addition	Ø 100,0		Article addition	Ø 160,0	
-X	Measuring ranges (bar)		-X	Measuring ranges (bar)	
B	-1 up to	0	B	-1 up to	0
D	-1 up to	+0,6	D	-1 up to	+0,6
E	-1 up to	+1,5	E	-1 up to	+1,5
F	-1 up to	+3,0	F	-1 up to	+3,0
G	-1 up to	+5,0	G	-1 up to	+5,0
H	-		H	-1 up to	+9,0
I	-		I	-1 up to	+15,0
L	0 up to	+1,0	L	0 up to	+1,0
M	0 up to	+1,6	M	0 up to	+1,6
N	0 up to	+2,5	N	0 up to	+2,5
O	0 up to	+4,0	O	0 up to	+4,0
P	0 up to	+6,0	P	0 up to	+6,0
Q	0 up to	+10,0	Q	0 up to	+10,0
R	0 up to	+16,0	R	0 up to	+16,0
S	0 up to	+25,0	S	0 up to	+25,0
T	0 up to	+40,0	T	0 up to	+40,0
U	0 up to	+60,0	U	0 up to	+60,0
V	0 up to	+100,0	V	0 up to	+100,0
W	0 up to	+160,0	W	0 up to	+160,0

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NS 100 / NS 160



diameter NS	Connection axial G	Article-No.:	Dimensions in mm							
		Connection back axial	b ₁	b ₂	D ₁	D ₂	e	f	SW	Gewicht (kg)
100	G 1/2"	325.4134.5.63-x	49,5	83	101	100	17,5	30	22,0	0,18
160	G 1/2"	325.4135.4.63-x	49,5 ¹⁾	83 ¹⁾	161	160	17,5	50	22,0	0,21

¹⁾ Plus 16 mm with scale ranges ≥ 100 bar

Scale ranges D10 back axial					
Article addition	Ø 100,0		Article addition	Ø 160,0	
-X	Measuring ranges (bar)		-X	Measuring ranges (bar)	
B	-1 up to	0	B	-	
L	0 up to	+1,0	L	0 up to	+1,0
M	0 up to	+1,6	M	0 up to	+1,6
N	0 up to	+2,5	N	0 up to	+2,5
O	0 up to	+4,0	O	0 up to	+4,0
P	0 up to	+6,0	P	0 up to	+6,0
Q	0 up to	+10,0	Q	0 up to	+10,0
R	0 up to	+16,0	R	0 up to	+16,0
S	0 up to	+25,0	S	0 up to	+25,0
T	0 up to	+40,0	T	0 up to	+40,0
U	0 up to	+60,0	U	0 up to	+60,0
V	0 up to	+100,0	V	0 up to	+100,0
W	0 up to	+160,0	W	-	