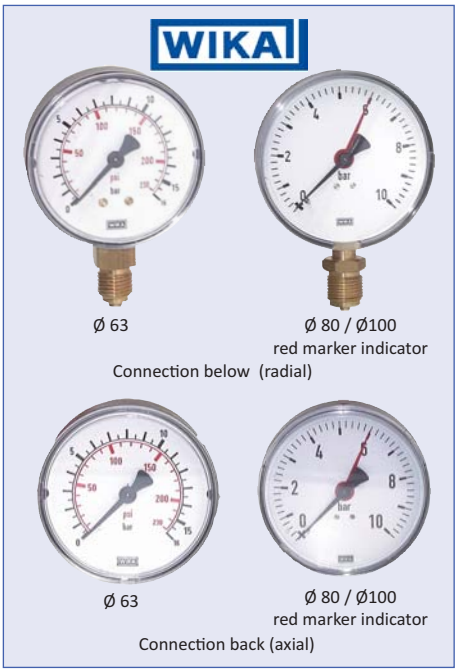
Bourdon Tube Pressure Gauge, Article D16
(Standard Series)

Connection G 1/4“ and G 1/2“

The pressure gauges article D16 are based on the proven Bourdon tube measuring system. On pressurisation, the deflection of the Bourdon tube, proportional to the incident pressure, is transmitted to the movement via a link and indicated.

- ☞ **Connection below G 1/4“ body size Ø 63,0 mm**
- ☞ **Connection below G 1/2“ body size Ø 80,0 and Ø 100,0 mm**
- ☞ **Connection back G 1/4“ body size Ø 63,0, Ø 80,0 and Ø 100,0 mm**

The modular design enables a multitude of combinations of case materials, process connections, nominal sizes and scale ranges. Due to this high variance, the instrument is suitable for use in a wide range of applications within industry.



T °C	Ambient -20°C ... +60°C
T °C	Medium 0°C ... +60°C

APPLICATIONS:

- For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts
- Pneumatics
- Heating and air-conditioning technology
- Medical engineering

SPECIAL FEATURES:

- Reliable and cost-effective
- Design per EN 837-1
- Nominal size Ø 63, Ø 80, Ø 100
- Scale ranges up to 0 .... 160 bar

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

Article D16

Specification

Accuracy class	2,5
Pressure limitation	Steady 3/4 x full scale value Fluctuating 2/3 x full scale value Short time full scale value
Process connection	Copper alloy
Pressure element	Copper alloy C-type or helical type
Movement	Copper alloy
Dial	Plastic white Ø 63, Aluminium white Ø 80 und Ø 100 always with pointer stop pin
Scale	black Ø 63 1. Scale in bar (outside), 2. Scale in PSI (inside red) Ø 80 und Ø 100 1. Scale in bar with red mark pointer (from 0 bar dial)
Case	Plastic (black) Ø 63, steel (black) Ø 80 nd Ø 100
Window	Plastic, crystal-clear, snap-fitted in case

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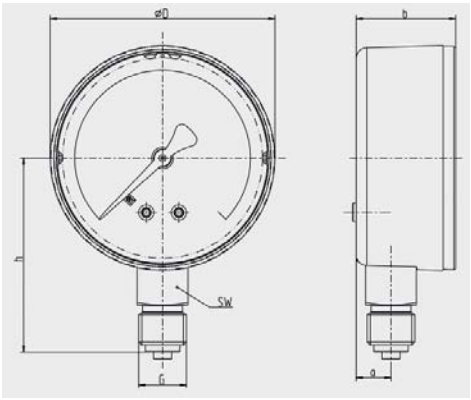
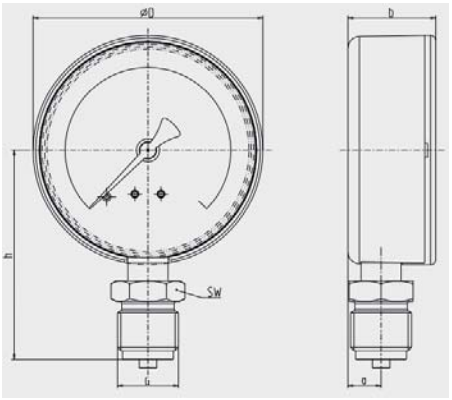
NS 63



Connection below (radial)

NS 80, NS 100



Connection below (radial)

Diameter NS	Connection below G	Article-No.: Connection below (radial)	Dimension in mm a	b ± 0,5	D	h ± 1,0	SW	Weight (kg)
63	G 1/4”	325.4132.4.61-x	9,5	27,5	62,0	53,5	14,0	0,13
80	G 1/2”	325.4133.4.63-x	11,5	30,0	79,0	72,0	22,0	0,18
100	G 1/2”	325.4134.4.63-x	11,5	30,5	99,0	83,5	22,0	0,21

Scale ranges D16 below radial

Article addition -X	G 1/4“ **Ø 63,0** Measuring ranges (bar)		Article addition -X	G 1/2“ **Ø 80,0** Measuring ranges (bar)		Article addition -X	G 1/2“ **Ø 100,0** Measuring ranges (bar)	
B	-1 up to	0	B	-1 up to	0	B	-1 up to	0
D	-1 up to	+0,6	D	-1 up to	+0,6	D	-1 up to	+0,6
E	-1 up to	+1,5	E	-1 up to	+1,5	E	-1 up to	+1,5
F	-1 up to	+3,0	F	-1 up to	+3,0	F	-1 up to	+3,0
G	-1 up to	+5,0	G	-1 up to	+5,0	G	-1 up to	+5,0
H	-		H	-1 up to	+9,0	H	-1 up to	+9,0
I	-		I	-1 up to	+15,0	I	-1 up to	+15,0
K	-		K	0 up to	+0,6	K	-	
L	0 up to	+1,0	L	0 up to	+1,0	L	0 up to	+1,0
M	0 up to	+1,6	M	0 up to	+1,6	M	0 up to	+1,6
N	0 up to	+2,5	N	0 up to	+2,5	N	0 up to	+2,5
0	0 up to	+4,0	0	0 up to	+4,0	0	0 up to	+4,0
P	0 up to	+6,0	P	0 up to	+6,0	P	0 up to	+6,0
Q	0 up to	+10,0	Q	0 up to	+10,0	Q	0 up to	+10,0
R	0 up to	+16,0	R	0 up to	+16,0	R	0 up to	+16,0
S	0 up to	+25,0	S	0 up to	+25,0	S	0 up to	+25,0
T	0 up to	+40,0	T	0 up to	+40,0	T	0 up to	+40,0
U	0 up to	+60,0	U	0 up to	+60,0	U	0 up to	+60,0
V	0 up to	+100,0	V	-		V	0 up to	+100,0
W	-		W	-		W	0 up to	+160,0

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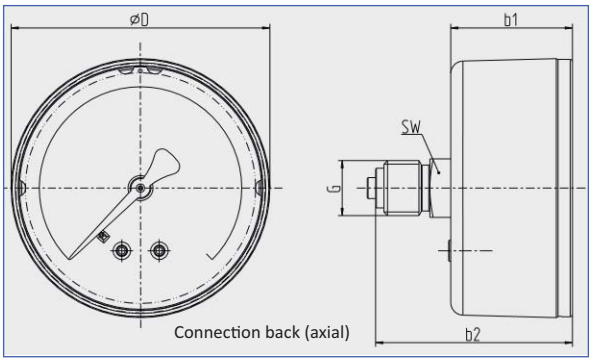

Diameter NS	Connection back side G	Article-No.: Connection back axial	Dimension in mm b1 ± 0,5	b2 ± 0,5	D	SW	Weight (kg)
63	G 1/4”	325.4146.4.61-x	29,0	47,0	62,0	14,0	0,08
80	G 1/4”	325.4147.4.61-x	32,0	49,0	79,0	14,0	0,11
100	G 1/4”	325.4148.4.61-x	31,0	49,0	99,0	14,0	0,26

Scale ranges D16 back axial			
Article addition **-X**	G 1/4“ **Ø 63,0** Measuring ranges (bar)	Article addition **-X**	G 1/2“ **Ø 100,0** 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	-1 up to +9,0	H	-1 up to +9,0
I	-1 up to +15,0	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
0	0 up to +4,0	0	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	-	W	0 up to +160,0

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