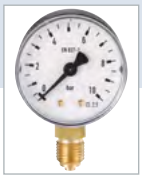
bürkert
FLUID CONTROL SYSTEMS



Bourdon tube pressure gauge

- For gases and non-crystallizing liquids
- Back or radial mount lower connection
- Different sizes and measurement ranges

Product variants described in the data sheet may differ from the product presentation and description.

Type description

Manometer for the pressure measurement of neutral and aggressive gases and non-crystallizing liquids with small viscosity that will not attack the copper alloy parts in the pressure gauge's interior. The sensor is made of a circular bourdon tube in alloyed copper.

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Visit product website

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1. General technical data

Product properties	
Dimensions	Further information can be found in chapter "4. Dimensions" on page 4.
Material	
Housing	Plastic, black
Measuring element (circular)	Copper alloy
Pointer	Plastic, black
Pointer mechanism	Copper alloy
Pressure connection	Copper alloy
Dial	White plastic with black lettering and pointer stop pin
Viewing window	Crystal-clear plastic, snapped into housing
Measuring principle	Bourdon tube
Measurement range	Vacuum...25 bar
Accuracy class	2.5 according to EN 837-1
Display range	According to EN 837-1
Performance data	
Temperature behaviour	± 0.4 % per 10 K at + 20 °C
Load	
Resting load	75 % of full scale value
Alternating load	67 % of full scale value
Short-term load	100 % of full scale value
Medium data	
Operating medium	Neutral or aggressive gases or liquids of low viscosity which do not crystallize and do not damage the bourdon tube materials
Medium temperature	Max. + 60 °C
Environment and installation	
Ambient temperature	- 20...+ 60 °C

2. Approvals and conformities

2.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available variants can be supplied with the below mentioned approvals or conformities.

2.2. Conformity

In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

2.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

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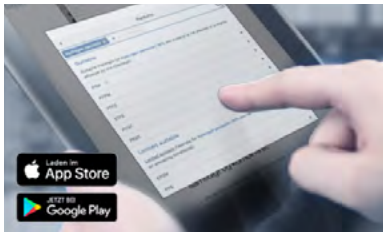
3. Materials

3.1. Bürkert resistApp



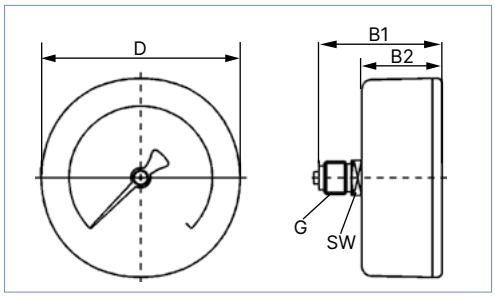
Bürkert resistApp – Chemical resistance chart

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

Start chemical resistance check

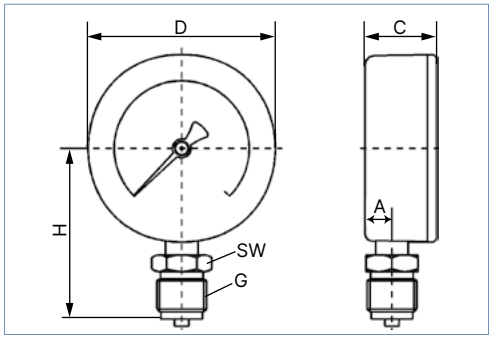
4. Dimensions

4.1. Dimensions pressure gauge with center back mount connection



Diameter of pressure gauge	B1 ± 0.5	B2 ± 1.0	D	G	Width across flats (SW)	Weight
	[mm]	[mm]	[mm]		[mm]	[kg]
40	44	26	41	G ⅛	14	0.063
50	47.5	26.5	49	G ¼	14	0.071
63	48	27.5	62	G ¼	14	0.078

4.2. Dimensions pressure gauge with radial lower mount connection



Diameter of pressure gauge	A	C ± 0.5	D	G	H ± 1.0	Width across flats (SW)	Weight
	[mm]	[mm]	[mm]		[mm]	[mm]	[kg]
40	8	24.1	41	G ⅛	36	12	0.06
50	10	27.6	49	G ¼	45	14	0.1
63	10	28.3	62	G ¼	53.5	14	0.13

5. Ordering information

5.1. Bürkert eShop

Bürkert eShop – Easy ordering and quick delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

Order online now

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5.2. Bürkert product filter

Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements?
Use the Bürkert product filter and find suitable articles for your application quickly and easily.

Try out our product filter

5.3. Ordering chart pressure gauge with center back mount connection

Note:
Further variants on request

Display range [bar]	Nominal size [mm]	Process connection	Article no.
0...4	40	G ⅛	787028
	50	G ¼	787029
	63	G ¼	787030
0...6	40	G ⅛	787031
	50	G ¼	787032
	63	G ¼	787033
0...10	40	G ⅛	787034
	50	G ¼	787035
	63	G ¼	787036
0...16	40	G ⅛	787037
	50	G ¼	787038
	63	G ¼	787039

5.4. Ordering chart pressure gauge with radial lower mount connection

Note:
Further variants on request

Display range [bar]	Nominal size [mm]	Process connection	Article no.
0...4	40	G ⅛	787002
	50	G ¼	787003
	63	G ¼	787004
0...6	40	G ⅛	787005
	50	G ¼	787006
	63	G ¼	787007
0...10	40	G ⅛	787008
	50	G ¼	787009
	63	G ¼	787010
0...16	40	G ⅛	787011
	50	G ¼	787012
	63	G ¼	787013

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