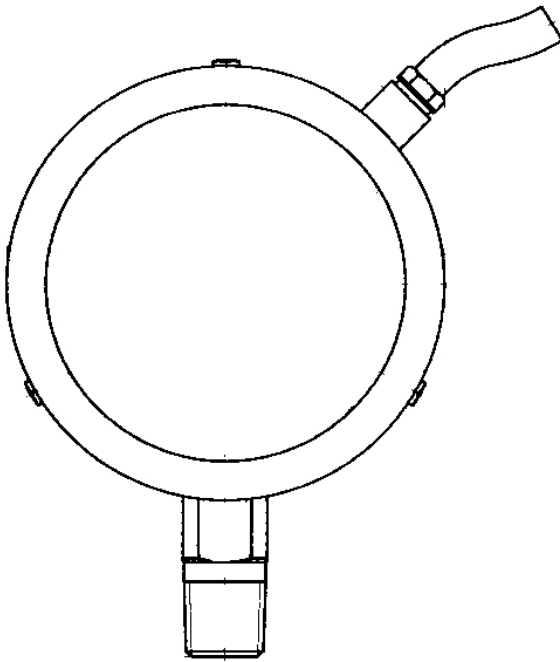




Bourdon tube pressure gauge

housing $\varnothing$ (nominal size)	63 mm
Connection	1/4-18 NPT
alignment	bottom
accuracy class	1.6

benefits

- wetted parts specially cleaned, flushed and electropolished
- tightness-tested with helium
- rear blow-out
- versatile connection technology
- GOSSTANDART-certified

Technical Specifications

Type
D3

Nominal size
63

accuracy class (EN 837-1/6)
1.6

ranges (EN 837-1/5)
see ordering table

Calibration medium
Nitrogen or dried air

application area
static load: $\frac{3}{4}$ x full scale value
dynamic load: $\frac{2}{3}$ x full scale value
short-term: Full scale value

Contact type
inductive contact (IK) Single

Operating temperature range
Medium: max. 150 °C
Ambient: -20/+60 °C

Temperature performance

Indication error when the temperature of the measuring system deviates from the normal temperature of 20 °C:
at rising temperature approx. ± 0.4 %/10 K
falling temperature approx. ± 0.4 %/10 K
of full scale value

Degree of protection
IP 32 (EN 60529)

Connection
stainless steel 316 Ti/316 L, bottom

Measuring element
Bourdon tube, stainless steel 316 Ti/316 L
 ≤ 60 bar: "C" type tube
> 60 bar: helical tube

wetted parts
cleaned,
flushed with nitrogen,
electropolished,
surface roughness $\leq R_a 0.6 \mu\text{m}$

movement
Stainless steel

Dial

Aluminium, white
Scaling: black
label: ultra-pure gas

Pointer

Aluminium, black

Housing

Stainless steel 304 back blow-out

push on bezel

Stainless steel 304, bare metal surface

window

Plastic

Inductive contact (IK)

Supply voltage

DC 5 V DC 25 V

Current input

≥ 2.1 mA

Switching accuracy

approx. 0.5 % of full scale value

Operating temperature range

-20/+70 °C or corresponding to the respective measuring instruments

Adjustment range

5–95 % measuring range of gauge

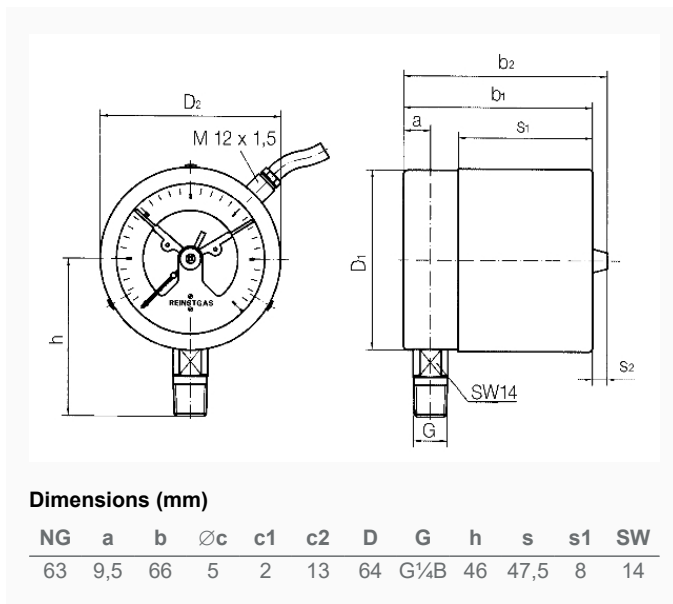
Options

- contact systems with safety integrity level SIL 2

Options

- surface roughness R_a 0.4 μm
- Housing polished
- Push on bezel polished
- Electrical contacts
- NG 50
- special scales
- other process connections

Technical Drawings



Versions

Range	Mounting type	Type		Part number
-1/+0.6 bar	direct	RF63RG IK1 D302	●	87252302
-1/+1.5 bar	direct	RF63RG IK1 D302	●	87253302
-1/+3 bar	direct	RF63RG IK1 D302	●	87254302
-1/+5 bar	direct	RF63RG IK1 D302	●	87255302
-1/+9 bar	direct	RF63RG IK1 D302	●	87256302
-1/+15 bar	direct	RF63RG IK1 D302	●	87257302
0/1.6 bar	direct	RF63RG IK1 D302	●	87261302
0/2.5 bar	direct	RF63RG IK1 D302	●	87262302
0/4 bar	direct	RF63RG IK1 D302	●	87263302
0/6 bar	direct	RF63RG IK1 D302	●	87264302
0/10 bar	direct	RF63RG IK1 D302	●	87265302
0/16 bar	direct	RF63RG IK1 D302	●	87266302
0/25 bar	direct	RF63RG IK1 D302	●	87267302
0/40 bar	direct	RF63RG IK1 D302	●	87268302
0/60 bar	direct	RF63RG IK1 D302	●	87269302
0/100 bar	direct	RF63RG IK1 D302	●	87270302
0/160 bar	direct	RF63RG IK1 D302	●	87271302
0/250 bar	direct	RF63RG IK1 D302	●	87272302

0/400 bar	direct	RF63RG IK1 D302		87273302
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-  in-stock items
-  Non-stock items