



Bourdon tube pressure gauge RF63RG IK1

Part no. 87252302

Bourdon tube pressure gauge

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

standard version

Connection
stainless steel 316 Ti/316 L, bottom

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)

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 μm

movement

Stainless steel

Dial

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

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

Options

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

Pointer

Aluminium, black

Housing

Stainless steel 304 back blow-out

push on bezel

Stainless steel 304, bare metal surface

window

Plastic

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

Technical Drawings



Versions

Range	Mounting type	Type	Part number
-1/+0.6 bar	direct	RF63RG IK1 D302	87252302

- in-stock items
- Non-stock items