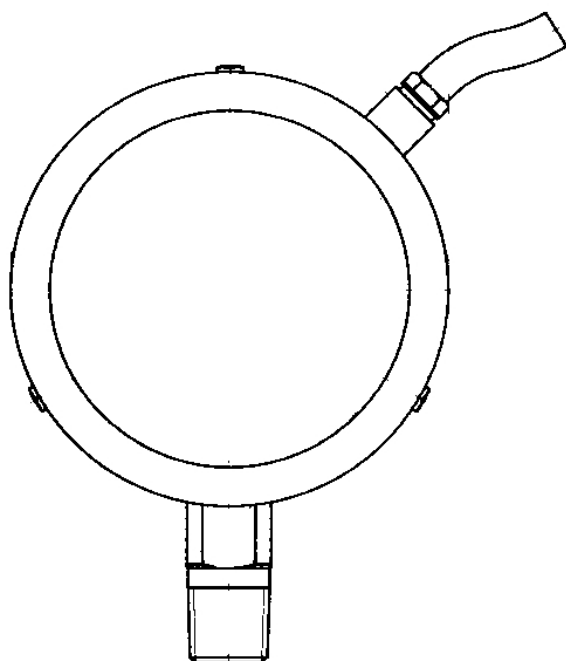




## Bourdon tube pressure gauge RF63RG IK1

Part no. 87267302

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.  $\pm 0.4$  %/10 K  
falling temperature approx.  $\pm 0.4$  %/10 K  
of full scale value

**Degree of protection**  
IP 32 (EN 60529)

**Measuring element**  
Bourdon tube, stainless steel 316 Ti/316 L  
 $\leq 60$  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

**Inductive contact (IK)**
**Supply voltage**

DC 5 V DC 25 V

**Current input**

$\geq 2.1$  mA

**Switching accuracy**

approx. 0.5 % of full scale value

**Options**

- surface roughness  $R_a$  0.4  $\mu\text{m}$
- 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

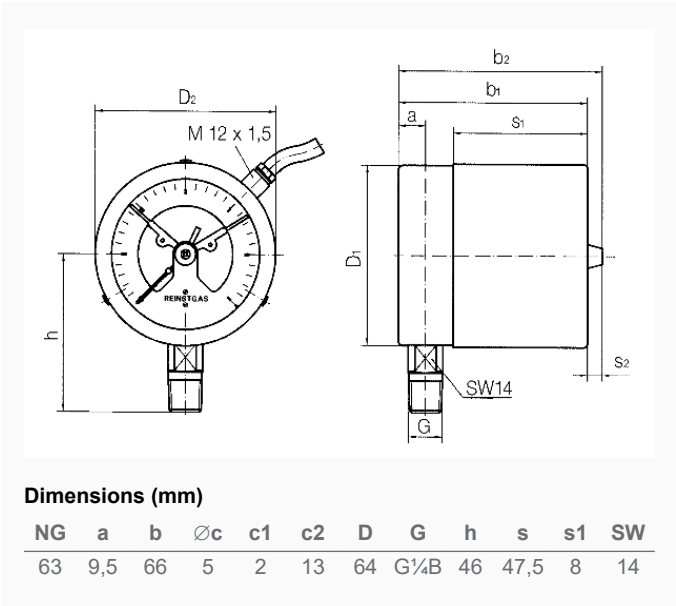
**Adjustment range**

5–95 % measuring range of gauge

**Options**

- contact systems with safety integrity level SIL 2

Technical Drawings



Versions

| Range    | Mounting type | Type               | Part number |
|----------|---------------|--------------------|-------------|
| 0/25 bar | direct        | RF63RG IK1<br>D302 | 87267302    |

- in-stock items
- Non-stock items