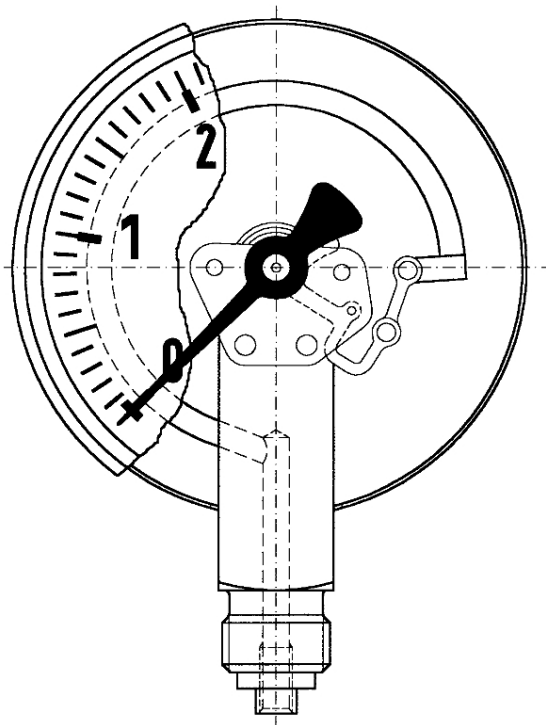




## Standard Bourdon tube pressure gauges RF63 IK1

**Part no. 87471302**

**Bourdon tube pressure gauge with electrical contacts type D3**

### benefits

- up to two contacts possible
- wetted parts and movement made of stainless steel
- available with MK, EK, IK
- Safety housing S2 as per EN 837-1 (blow-out)

### Application

For corrosive gaseous and liquid media which are not highly viscous and do not crystallise. For measuring in areas with limited space. Especially suitable for monitoring minimum pressure in gas cylinders together with AFRISO alarm unit for low gas level.

### Technical Specifications

#### Type

D3

#### Nominal size

63

#### accuracy class (EN 837-1/6)

1.6

#### ranges (EN 837-1/5)

see ordering table

#### 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 types

inductive contact (IK)

#### minimum range

IK Single  
1.6 bar

#### 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 42 (EN 60529)

## standard version

### Connection

stainless steel 316 Ti/316 L, bottom  
G $\frac{1}{4}$ B, SW14 (EN 837-1/7.3)

### Electrical connection

Cable gland M12 x 1.5  
Cable 1 m

### Measuring element

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

### movement

Stainless steel

## Inductive contact (IK)

### Supply voltage

DC 5 – 25 V

### Current input

≥ 2.1 mA

### Switching accuracy

approx. 0.5 % of full scale value

## Options

- wetted parts oil-free and grease-free (≤ 0/400 bar)
- Ultra-pure gas version
- back flange
- throttle screw
- special scales
- other process connections

### Dial

Aluminium, white  
Scaling: black

### Pointer

Aluminium, black

### Housing

Stainless steel 304, safety housing S2 as per EN 837-1, with rear blow-out

### push on bezel

Stainless steel 304

### window

Plastic (Makrolon), with contact adjustment lock

### Operating temperature range

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

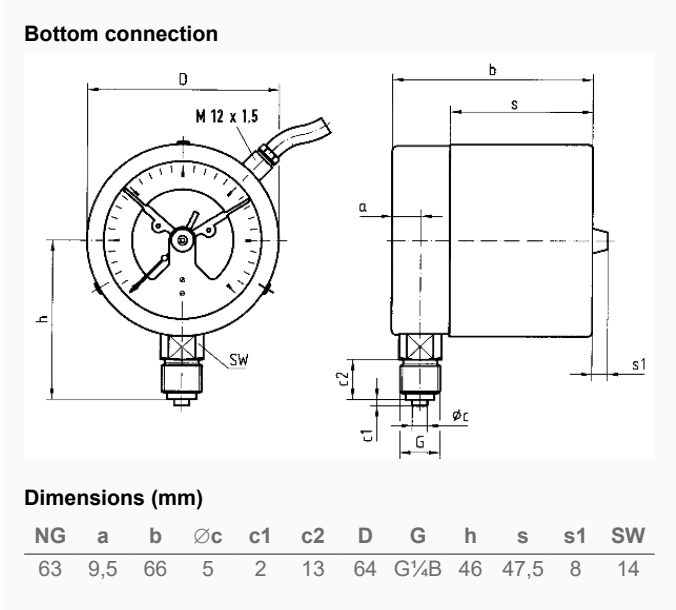
### Adjustment range

5–95 % measuring range of gauge

### Options

- contact systems with safety integrity level SIL 2

Technical Drawings



Versions

| Range     | Mounting type | Type             | Part number |
|-----------|---------------|------------------|-------------|
| 0/160 bar | direct        | RF63 IK1<br>D302 | 87471302    |

- in-stock items
- Non-stock items