



## Bourdon tube pressure gauge RF63ST

Part no. 88300301

Standard Bourdon tube pressure gauge for welding applications type D3

### benefits

- Design as per ISO 5171
- rear blow-out
- Measuring system cleaned, oil-free and grease-free
- many customised versions available

### Application

For welding and cutting machines and systems as well as similar processes.

### Technical Specifications

#### Type

D3

#### Nominal size

63

#### Version

ISO 5171

#### accuracy class

2.5

#### ranges

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

#### Operating temperature range

Medium: max. 60 °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)

### standard version

#### Connection

Brass, bottom  
with damping in the pressure inlet channel

#### Measuring element

Bourdon tube, Copper alloy  
≤ 40 bar: "C" type tube  
> 40 bar: helical tube  
copper content in case of acetylene < 70 %

#### wetted parts

oil-free and grease-free

#### movement

Brass

#### Options

- Litre scales for argon/CO<sub>2</sub>
- special scales
- other connection threads

#### Dial

Aluminium, white  
Scaling: black  
acetylene  
label "acetylene"

#### Pointer

Aluminium, black

#### Housing

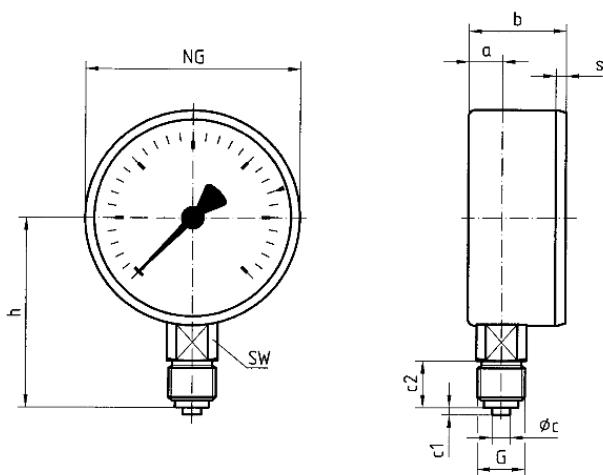
Stainless steel 304, with rear blow-out

#### window

Plastic, snapped in

#### Technical Drawings

##### Bottom connection



##### Dimensions (mm)

| NG | a    | b    | Øc | c1 | c2 | G                               | h  | s   | SW |
|----|------|------|----|----|----|---------------------------------|----|-----|----|
| 50 | 10,5 | 29   | 5  | 2  | 13 | G <sup>1</sup> / <sub>4</sub> B | 46 | 3,8 | 14 |
| 63 | 11   | 29,5 | 5  | 2  | 13 | G <sup>1</sup> / <sub>4</sub> B | 53 | 3,7 | 14 |

Versions

| Range   | Mounting type | Type           |                                                                                     | Part number |
|---------|---------------|----------------|-------------------------------------------------------------------------------------|-------------|
| 0/1 bar | direct        | RF63ST<br>D301 |  | 88300301    |

-  in-stock items
-  Non-stock items