Bourdon tube pressure gauge RF63ST

Part no. 88315301

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: ¾ x full scale value
dynamic load: ⅔ 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. ± 0.4 %/10 K
falling temperature approx. ± 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

Dial
Aluminium, white
Scaling: black
oxygen
Label "oxygen" and symbol "free from oil and grease"

Pointer
Aluminium, black

Housing
Stainless steel 304, with rear blow-out

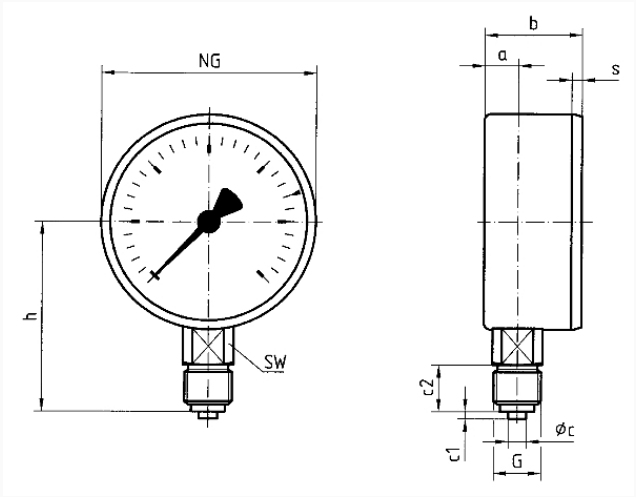
window
Plastic, snapped in

Options

- Litre scales for argon/CO_2
- special scales
- other connection threads

Technical Drawings

Bottom connection



Dimensions (mm)

NG	a	b	∅c	c1	c2	G	h	s	SW
50	10,5	29	5	2	13	G¼B	46	3,8	14
63	11	29,5	5	2	13	G¼B	53	3,7	14

Versions

Range	Mounting type	Type		Part number
0/315 bar	direct	RF63ST D301	●	88315301

● in-stock items

○ Non-stock items