



Standard Bourdon tube pressure gauges 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: $\frac{1}{4}$ x full scale value
Dynamic load: $\frac{1}{3}$ 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. ± 0.4 %/10 K
falling temperature approx. ± 0.4 %/10 K
of full scale value

Degree of protection
IP 32 (EN 60529)

Standard version

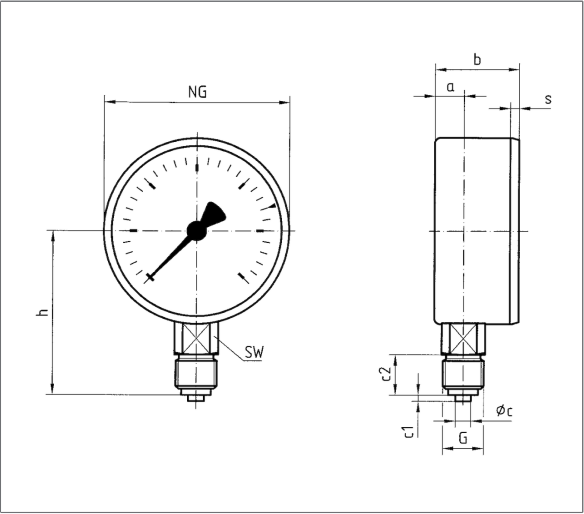
Connection Brass, bottom With damping in the pressure inlet channel		Dial Aluminium, white Scaling black	
Measuring element Bourdon tube, Copper alloy ≤ 40 bar: "C" type tube > 40 bar: Helical tube Copper content in case of acetylene < 70 %		Acetylene:	Label "acetylene"
Wetted parts Oil and grease free		Oxygen:	Label "oxygen" and symbol "free from oil and grease"
Movement Brass		Pointer Aluminium, black	
		Housing Stainless steel 304, with rear blow-out	
		Window Plastic, snapped in	

Options

- Litre scales for argon/CO₂
- Special scales
- Other connection threads

Technical drawings

Bottom connection



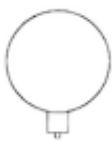
Dimensions (mm)

NG	a	b	øc	c1	c2	G	h	s	SW
50	10,5	29	5	2	13	G¾B	46	3,8	14
63	11	29,5	5	2	13	G¾B	53	3,7	14



Versions

RF63ST D301



Housing ∅	Connection	Alignment	Housing	Accuracy class	Range	Type	Part no.
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/1 bar	RF63ST D301	88300301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/1.6 bar	RF63ST D301	88301301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/2.5 bar	RF63ST D301	88302301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/4 bar	RF63ST D301	88303301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/6 bar	RF63ST D301	88304301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/10 bar	RF63ST D301	88305301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/10 bar	RF63ST D301	88306301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/16 bar	RF63ST D301	88307301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/25 bar	RF63ST D301	88308301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/40 bar	RF63ST D301	88309301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/40 bar	RF63ST D301	88310301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/250 bar	RF63ST D301	88314301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/315 bar	RF63ST D301	88315301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/315 bar	RF63ST D301	88316301
63 mm	G¼B	Bottom	Stainless steel 304	2,5	0/400 bar	RF63ST D301	88317301

Blue part no. = in-stock items