

FEATURES

- Bourdon tube pressure gauge
- Copper alloy wetted parts
- Stainless steel case
- Liquid filling

RS PRO Pressure Gauge

RS Stock No.: 2310191, 2310192, 2310193,
2310194, 2310195, 2310196, 2310197, 2310198,
2310199, 2310200



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Pressure Gauge

Product Description

Applications

- For measuring points with high dynamic pressure loads and vibrations
- For gaseous and liquid media that are not highly viscous or crystallising and will not attack copper alloy parts
- Hydraulics
- Compressors, shipbuilding

Special features

- Vibration and shock-resistant
- Especially robust design
- Type approval for the shipbuilding industry
- Scale ranges up to 0 ... 1,000 bar

Description

The liquid-filled model 213.53 Bourdon tube pressure gauge is constructed with a case from stainless steel and wetted parts from copper alloy.

The model 213.53 meets the requirements of the international industry standard EN 837-1 for Bourdon tube pressure gauges.

Due to the liquid filling in the case, the pressure element and movement are efficiently damped. Therefore, these instruments are particularly suited to measuring points with high dynamic loads, such as fast load cycles or vibrations. The cases of the model 213.53 are available in nominal sizes of 50, 63 and 100 mm and fulfil IP65 ingress protection. With an accuracy of up to class 1.0, this pressure gauge is suitable for a wide range of applications in industry. For mounting in control panels, the pressure gauges with a back mount process connection can be fitted with a mounting flange or with a triangular bezel and mounting bracket.

General Specifications

Dial

NS 50, 63: Plastic ABS, white, with pointer stop pin

NS 100: Aluminium, white, black lettering

Pointer

NS 50, 63: Plastic, black

NS 100: Aluminium, black

Case

Stainless steel, natural finish

Sealing towards process connection with O-ring

With all scale ranges, the filling plug can be

vented for internal

pressure compensation.

Position of blow-out device

NS 50: Case back, at 12 o'clock

NS 63, 100: Case circumference, at 12 o'clock

Window

Plastic, crystal-clear

Ring

Crimped triangular bezel, stainless steel, glossy finish

Nominal size in mm

50, 63, 100

Accuracy class

NS 50, 63: 1.6

NS 100: 1.0

Scale ranges

NS 50: 0 ... 1 to 0 ... 1,000 bar

NS 63, 100: 0 ... 0.6 to 0 ... 1,000 bar

Pressure limitation

NS 50, 63: Steady: 3/4 x full scale value

Fluctuating: 2/3 x full scale value

Short time: Full scale value

NS 100: Steady: Full scale value

Fluctuating: 0.9 x full scale value

Short time: 1.3 x full scale value

Permissible temperature

Ambient: -20 ... +60 °C

Medium: +60 °C maximum

Filling liquid

Glycerine

Design

EN 837-1

Approvals

Declarations

MFR Declaration of Conformity

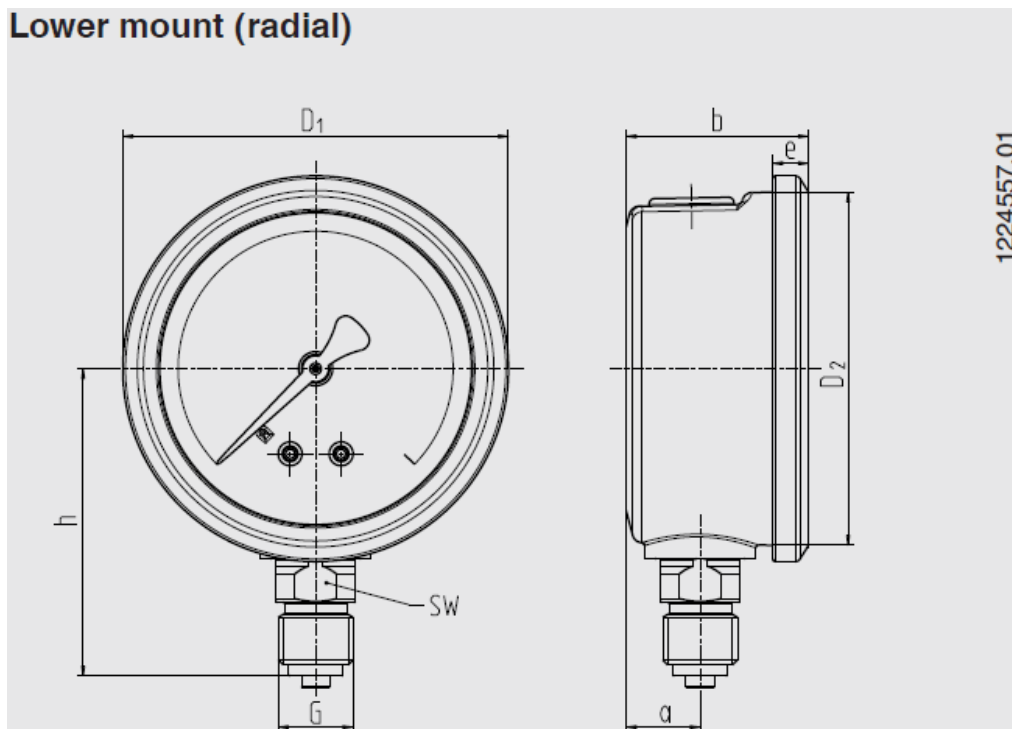
Similar Products

Pressure Gauge

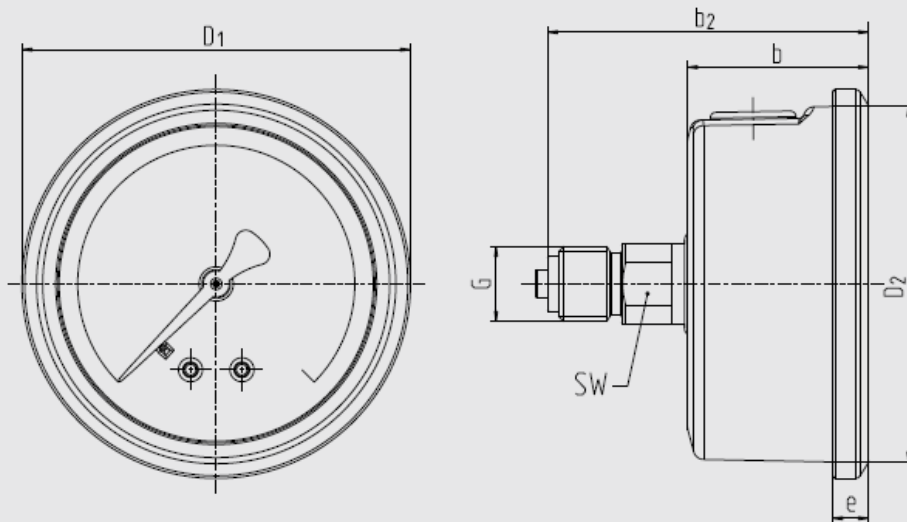
Stock No.	Brand	Product Name	Pressure Range	Dial Size	Process Connection	Orientation
2310199	RS PRO	Pressure Gauge	6 bar/psi	63mm	G 1/4"	Bottom
2310191	RS PRO	Pressure Gauge	10 bar/psi	63mm	G 1/4"	Bottom
2310200	RS PRO	Pressure Gauge	16 bar/psi	63mm	G 1/4"	Bottom
2310192	RS PRO	Pressure Gauge	25 bar/psi	63mm	G 1/4"	Bottom
2310193	RS PRO	Pressure Gauge	40 bar/psi	63mm	G 1/4"	Bottom
2310194	RS PRO	Pressure Gauge	100 bar/psi	63mm	G 1/4"	Bottom
2310195	RS PRO	Pressure Gauge	250bar/psi	63mm	G 1/4"	Bottom
2310196	RS PRO	Pressure Gauge	400 bar/psi	63mm	G 1/4"	Bottom
2310197	RS PRO	Pressure Gauge	400 bar/psi	63mm	G 1/4"	Back
2310198	RS PRO	Pressure Gauge	10 bar/psi	100mm	G 3/8"	Bottom

Dimensions

Lower mount (radial)

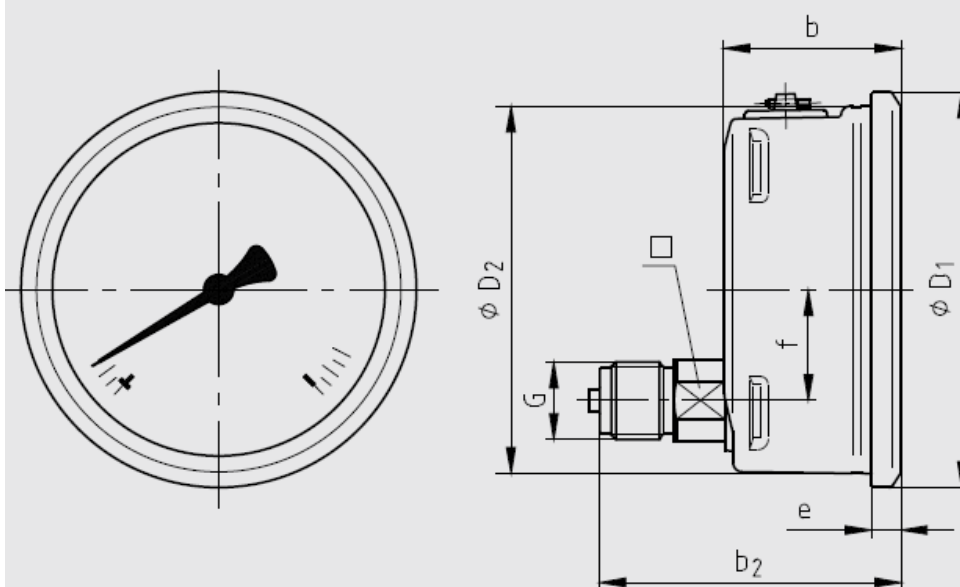


NS 50, 63, centre back mount



31059155.01

NS 100, lower back mount



11081163.01

NS	Dimensions in mm										Weight in kg
	a	b ± 0.5	b ₂ ± 0.5	D ₁	D ₂	e	f	G	h ± 1	SW	
50	12	30	55	55	50	5.5	-	G ¼ B	48	14	0.15
63	13	32	56	68	62	6.5	-	G ¼ B	54	14	0.21
100	15.5	48	81.5	107	100	8	30	G ½ B	87	22	0.80