

Bourdon Tube Pressure Gauge Model 111.11, Radial Pressure Entry Welding Gauges to EN 562

WIKA Data Sheet PM 01.03

Applications

- Pressure gauges for uses in welding, cutting and related processes

Special Features

- Design EN 562
- Pressure vent in case back
- Integrated burst energy relieve pin for high safety
- Reliable and economical



Bourdon Tube Pressure Gauge Model 111.11

Description

Design

EN 562

Nominal size

40, 50, 63

Accuracy class

2.5

Scale ranges

0 ... 1 to 0 ... 400 bar or other equivalent units of pressure or vacuum for use with oxygen or acetylene.

Working pressure

Steady: $\frac{3}{4}$ of full scale range
Fluctuating: $\frac{2}{3}$ of full scale range
Short time: full scale range

Operating Temperature

Ambient: -40 ... +60 °C

Medium: +60 °C maximum

Temperature effect

When temperature of the pressure element deviates from reference temperature (+20 °C):

Max. ± 0.4 %/10 K of the span.

Pressure connection

Material: Cu-alloy

Lower mount (LM) per EN 837-1 /7.3

NS 40 G $\frac{1}{8}$ B, SW 14 with restrictor

NS 50, 63 G $\frac{1}{4}$ B, SW 14 with restrictor

Pressure element

Material: Cu-alloy
acetylene gauges max. 70% copper

≤ 60 bar: C-type

> 60 bar: helical type

Movement

Cu-alloy

Dial

White plastic, with pointer stop pin

Pointer

Black plastic

Case

Brass lacquered steel case with pressure vent in case back

Window

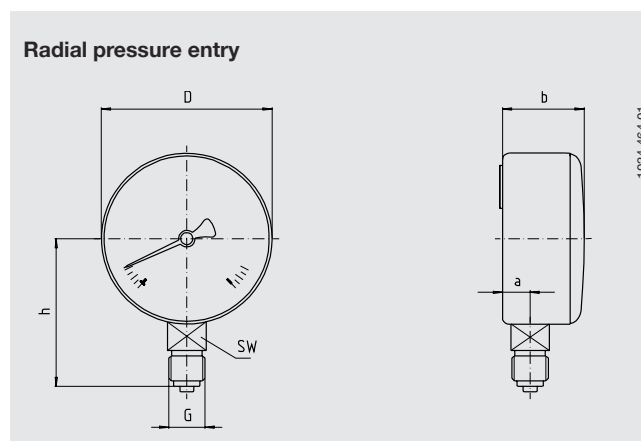
Polycarbonate snap-fit window

Options

- Case brass or stainless steel
- Slip-on bezel
- Centre back connection

Dimensions

Standard version



NS	Dimensions in mm		D	G	h ± 1	SW	Weight in kg
	a	b					
40	9.6	26	39	G 1/8 B	36	14	0.09
50	9.6	28	49	G 1/4 B	45	14	0.11
63	9.6	29	62	G 1/4 B	53.5	14	0.15

Standard pressure entry with parallel thread and sealing to EN 837-1 / 7.3

Ordering information

Pressure gauge model / Nominal size / Scale range / Size of connection / Optional extras required

Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.