



Bourdon tube pressure gauges for heating/plumbing applications

benefits

- with self-sealing connection thread (NG 50 and 63) for fast mounting
- corrosion-resistant housing

Application

For gaseous and liquid media which are not highly viscous, do not crystallise and do not attack copper alloys and EPDM.
! For measuring gas or vapour, observe the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical Specifications

Nominal size

80

accuracy class (EN 837-1/6)

2.5

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. $\pm 0.4 \text{ } \%/10 \text{ K}$
falling temperature approx. $\pm 0.4 \text{ } \%/10 \text{ K}$
of full scale value

Degree of protection

IP 32 (EN 60529)

Connection

Brass, bottom
NG 80
G $\frac{1}{2}$ B

Measuring element

Bourdon tube, "C" type tube
Copper alloy

movement

Brass

Dial

Plastic, white
Scaling: black

Pointer

Plastic, black

Housing

Plastic (ABS), black, highly impact-resistant and corrosion-resistant

window

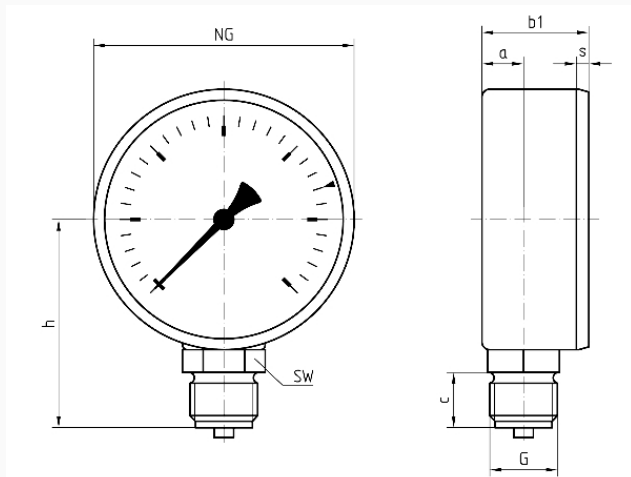
Plastic, clipped in

NG 80

with adjustable red reference pointer

Technical Drawings

RF 80/HY 80/HZ 80 – bottom connection



Dimensions (mm)

NG	a	b1	c	G	h	s	SW
80	12,8	32,8	17	G½B	64	2,8	14

Versions

	housing ø	Conne- ction	Conne- ction	Thread	alignment	Range	Type		Part no.
RF80	80 mm	G½B			bottom	-1/+0 bar	RF80 rad	●	63551
RF80	80 mm	G½B			bottom	0/1 bar	RF80 rad	●	63559
RF80	80 mm	G½B			bottom	0/1.6 bar	RF80 rad	●	63560
RF80	80 mm	G½B			bottom	0/2.5 bar	RF80 rad	●	63561
RF80	80 mm	G½B			bottom	0/4 bar	RF80 rad	●	63562
RF80	80 mm	G½B			bottom	0/6 bar	RF80 rad	●	63563
RF80	80 mm	G½B			bottom	0/10 bar	RF80 rad	●	63564
RF80	80 mm	G½B			bottom	0/16 bar	RF80 rad	●	63565
RF80	80 mm	G½B			bottom	0/25 bar	RF80 rad	●	63566

● in-stock items

● Non-stock items