

Capsule Pressure Gauges Standard Series • Model 611.10

Pressure Gauges

Service intended

Suitable for dry and gaseous media that will not attack copper alloy parts.

Nominal size

50 and 63 mm

Accuracy class

1.6 per DIN 16 005

$\pm 1.6\% \text{ of FSD}$

Design

DIN 16 013

Scale ranges

50 mm: 0 ... 60 to 0 ... 600 mbar

63 mm: 0 ... 25 to 0 ... 600 mbar

or equivalent other units of pressure or vacuum.

Standard ranges per DIN 16 128

Working pressure

Steady: full scale value

Fluctuating: 0.9 x full scale value

Operating temperature

Ambient: -20 ... +60 °C

Medium: +100 °C maximum

Temperature error

Additional error when temperature of the pressure element deviates from +20 °C

Rising temperature: +0.3%/10 K of true scale value

Falling temperature: -0.3%/10 K of true scale value

Weather protection

IP 32 per EN 60 529 / IEC 529

Standard features

Pressure connection

50 mm: back entry only

63 mm: radial or back entry

Threaded entry per DIN 16 288, G ¼ A, 14 mm flats

Material: Cu-alloy

Pressure element

Material: Cu-alloy

Sealing ring

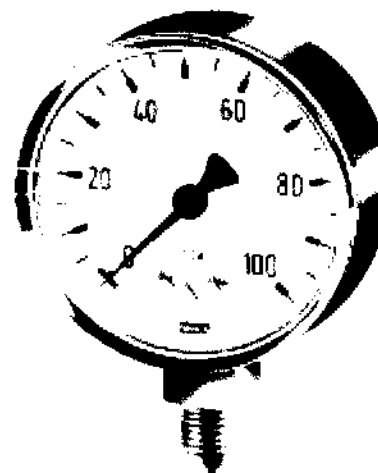
NBR (Buna rubber)

Movement

Material: Cu-alloy

Zero adjustment

Through window



Dial

White aluminium with black lettering per DIN 16 109

Pointer

Black aluminium

Case

Black finish steel

Window

Domed snap-fit window of clear plastic

Optional extras (NS 63)

- Other pressure connection
- Wetted parts of stainless steel, sealing FPM (Viton) (model 631.10)
- Overpressure and vacuum safety
 - 10 x with scale ranges > 25 mbar,
 - 3 x with scale ranges 25 mbar
- Slip-on bezel ring *)
- 3-hole surface or panel mounting flange *)
- Triangular bezel with clamp *)

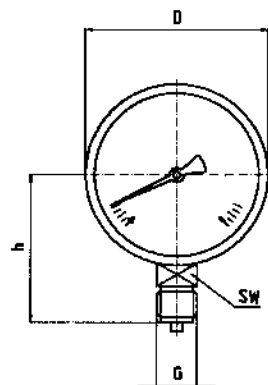
*) Nominal size 50 also

Dimensions

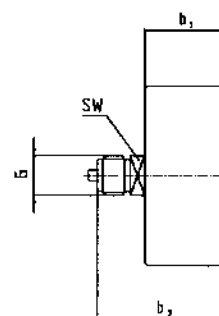
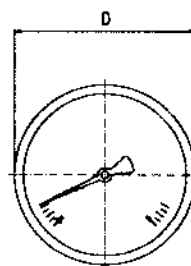
Standard version

Radial bottom pressure

Centre back pressure entry



1034 421



1034 430

Nominal size	Dimensions [mm]								Weight [kg]
	a	b ₁	b ₂	b	D	G	h ± 1	SW	
50	-	-	28	47	50	G ¼ A	-	14	0.09
63	9.5	40	36.5	54.5	63	G ¼ A	51	14	0.20

Standard pressure entry with parallel thread and seating to DIN 16 288.

Ordering information

State:

Model / Nominal size / Scale range / Size and location 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.



WIKA Alexander Wiegand GmbH & Co.
 Alexander-Wiegand-Straße · 63911 Klingenberg
 ☎ (0 93 72) 132-0 · ☎ (0 93 72) 132-406/414
<http://www.wika.de> · E-mail: info@wika.de

WIKA INSTRUMENTS LIMITED



STATION APPROACH, COULSDON, SURREY CR5 2UD
 Telephone: 0181 - 668 0924 Fax: 0181 - 660 5956

Customers Ref.: DL/EG/8889
 WIKA Ref.: 203633
 Customer: VIAMED LTD

Certificate of Calibration

WIKA Model No.: 611.10.63
 Size and Style: 63mm back
 Calibrated Range: -5/+60 cm wg
 Serial Number: 203633
 Tag Number: N/A
 Accuracy of Determination: $\pm 1.6\%$ FSD
 Test Equipment: RUSKA AIR BENCH DKD Number: 4733
 Accuracy of Test Equipment: $\pm 0.009\%$ FS 800mbar Testing Temp.: 20 °C
 Method of Test: Direct Comparison Test Medium: Air

True Units cm wg	Pressure	Gauge Readings			
		Rising Pressure		Falling Pressure	
		Reading	Error [%]	Reading	Error [%]
-5,000		-5,650	-1,00	-5,740	-1,14
0,000		0,000	0,00	0,000	0,00
10,000		10,120	0,18	10,060	0,09
30,000		30,320	0,49	30,070	0,11
60,000		60,850	1,31	60,810	1,25

All equipment utilised in the preparation of this Certificate is directly traceable to PTB primary standards under licence DKD-K-3701

Tested by:

D.P. Winkler

Signed

P. Weller

Date:

07.06.1997

Quality Assurance