

Capsule Pressure Gauges

Square and Edgewise Panel Mounting Series • Model 614.11

Pressure Gauges

Service intended

Panel mounting industrial pressure gauge.
Suitable for all gaseous media that will not attack copper alloy parts.

Design

DIN 43 700

Nominal size

72 x 72, 96 x 96, 144 x 144 and 144 x 72 mm

Accuracy class per EN 837-3 /6

1.6

Scale ranges per EN 837-3 /5

72 x 72 mm: 0 ... 25 to 0 ... 600 mbar
96 x 96 mm: 0 ... 10 to 0 ... 600 mbar
144 x 144 mm: 0 ... 6 to 0 ... 600 mbar
144 x 72 mm: 0 ... 2.5 to 0 ... 400 mbar
or other equivalent units of pressure or vacuum.

Working pressure

Steady: full scale value
Fluctuating: 0.9 x full scale value

Operating temperature

Ambient: -20 ... +60 °C
Medium: +100 °C maximum

Temperature effect

When temperature of the pressure element deviates from reference temperature (+20 °C):
max. $\pm 0.6\%$ /10 K of true scale value

Standard features

Pressure connection

Back entry only
Material: Cu-alloy
Threaded entry (back) per per EN 837-3 /7.3
72 x 72 and 96 x 96 mm: G $\frac{1}{4}$ B (male), 14 mm flats
144 x 144 mm: G $\frac{1}{2}$ B (male), 22 mm flats
144 x 72 mm: G $\frac{1}{2}$ B (male), 17 mm flats

Pressure element

Material: Cu-alloy

Sealing ring

NBR (Buna rubber)

Movement

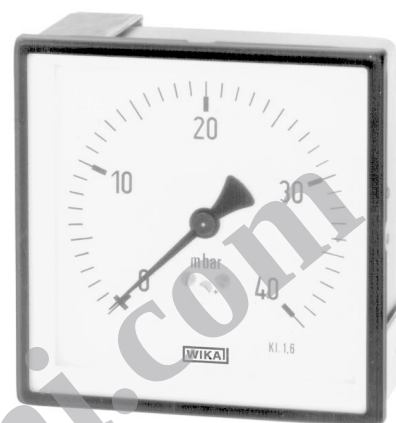
Material: Cu-alloy, wear part argantan
With zero adjustment

Dial

White aluminium with black lettering

Pointer

Black aluminium pointer



Case/Body per DIN 43 700

72 x 72, 96 x 96 and 144 x 144 mm: galvanised steel case
144 x 72 mm: black finish steel case

Window

144 x 72 mm: instrument glass
72 x 72, 96 x 96 and 144 x 144 mm: acrylic plastic

Panel frame per DIN 43 718

Snap-fit small frame black finish steel

Optional extras

- Other pressure connection
- Stainless steel pressure system and sealing ring FPM (Viton), except for 0 ... 10 mbar with 96 x 96 mm (**model 634.11**)
- Overpressure and vacuum safety with scale ranges ≤ 25 mbar: 3 x full scale value
scale ranges > 25 mbar: 10 x full scale value
- Wide panel frame

Special versions

Edgewise gauges with alarm contact

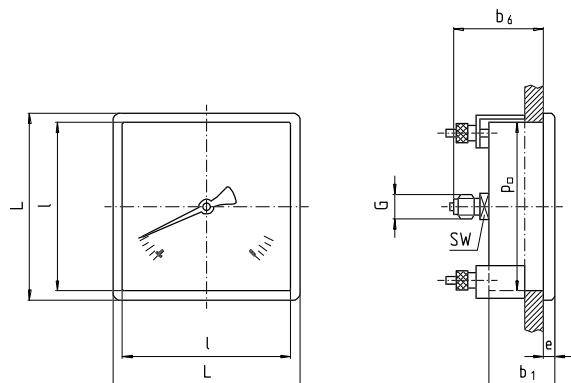
144 x 72 mm with maximum of 2 alarm contacts with scale ranges 0 ... 40 to 0 ... 600 mbar. These gauges feature a special bellows-capsule element attached to the case back.
Optionally Cu-alloy element (**model 614.11**), or stainless steel (**model 634.11**)

Dimensions

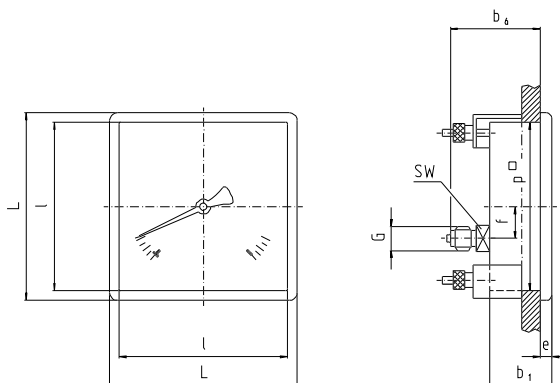
Standard version

72 x 72 and 96 x 96 mm
centre back pressure entry (CBM)

144 x 144 mm
lower back pressure entry (LBM)

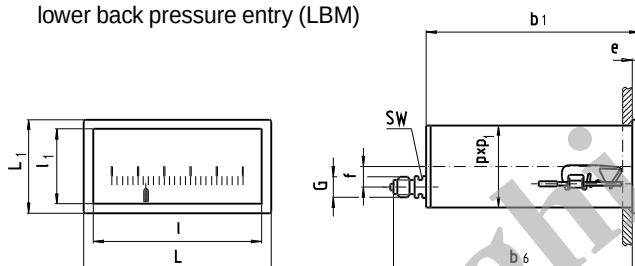


1034 600.01



1034 634

144 x 72 mm,
lower back pressure entry (LBM)



1163 353

Nominal size	Dimensions [mm]												Weight [kg]
	b ₁	b ₆	e	f	G	L	L ₁	l	l ₁	p x p ₁	p _□	SW	
72 x 72	36.5	50	6	-	G ¼ B	72	-	62	-	-	66	14	0.30
96 x 96	39	50	6	-	G ¼ B	96	-	79	-	-	88.5	14	0.40
144 x 144	46.5	71.5	8	30	G ½ B	144	-	134	-	-	136	22	0.90
144 x 72	168	197	8	18	G ½ B	144	72	134	62	138 x 67	-	17	1.60

Standard pressure entry with parallel thread and seating to EN 837-3 /7.3.

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. KG
Alexander-Wiegand-Straße · 63911 Klingenberg
Tel.: (0 93 72) 132-0 · Fax: (0 93 72) 132-406
<http://www.wika.de> · E-mail: info@wika.de