



Capsule Pressure Gauges

Square and Rectangular Case for Panel Mounting

Low Pressure Series • Type 614.11

Pressure Gauges

Application

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

Sizes

72 x 72 mm (2.83 x 2.83 in.), 96 x 96 mm (3.78 x 3.78 in.),
144 x 144 mm (5.67 x 5.67 in.) and 144 x 72 mm (5.67 x
2.83 in.)

Accuracy

± 1.5% of span

Ranges

72 x 72 mm: 10 to 240 "H₂O (25 to 600 mbar)
96 x 96 mm: 4 to 240 "H₂O (10 to 600 mbar)
144 x 144 mm: 2.5 to 240 "H₂O (6 to 600 mbar)
144 x 172 mm: 1 to 240 "H₂O (2.5 to 400 mbar)
or equivalent other units of pressure or vacuum

Working Range

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

Operating Temperature

Ambient: -4°F (-20°C) to 140°F (60°C)
Media: max. + 212°F (+100°C)

Temperature error

Additional error when temperature changes from reference
temperature of 68°F (20°C) ± 0.4% for every 18°F (10°C)
rising or falling. Percentage of span.



Standard Features

Connection

Back mount only
Material: Copper alloy
72 x 72: 1/4" NPT
96 x 96 mm: 1/4" NPT
144 x 144 mm: 1/2" NPT
144 x 72 mm: 1/2" NPT

Capsule Element

Copper alloy

Gasket

NBR (Buna rubber)

Movement

Material: Copper alloy, wearable parts Argantan

Dial

White aluminum with black lettering

Pointer

Black aluminum

Zero Adjustment

zero adjustment screw on dial face

Case

72 x 72, 96 x 96 and 144 x 144 mm: galvanized steel case
144 x 72 mm: black-painted steel case

Weather Protection

Dust resistant (NEMA 2 / IP 45)

Window

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

Profile Ring

Snap-fit black-painted steel

Order Options

Other pressure connection
Stainless steel pressure system and FPM (Viton) gasket
(except for 4 "H₂O (10 mbar) on 96 x 96 mm) (**Type 634.11**)
Overpressure and vacuum safety with
ranges ≤ 10 "H₂O (25 mbar): 3 X full scale value
ranges > 10 "H₂O (25 mbar): 10 X full scale value
Wide profile ring

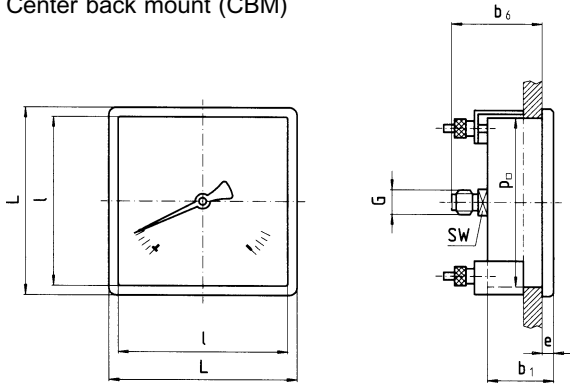
Special Versions

Rectangular gauges with alarm contacts

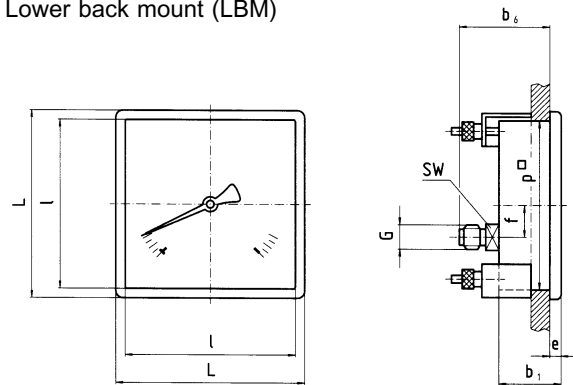
144 x 72 mm with maximum of 2 alarm contacts with ranges
16 to 240 "H₂O (40 to 600 mbar). These gauges feature a
special bellows-capsule element attached to the back of the
case.

Dimensions:

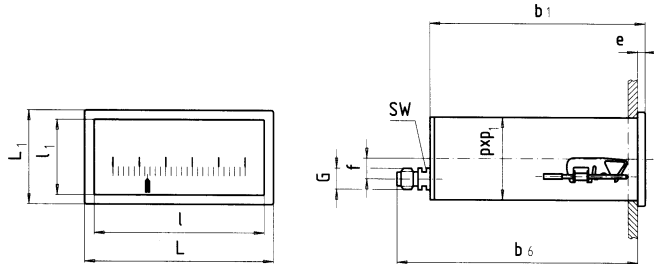
72 x 72 and 96 x 96 mm
Center back mount (CBM)



144 x 144 mm
Lower back mount (LBM)



144 x 72 mm
Lower back mount (LBM)



TYPE	WEIGHT	KEY	b1	b6	e	f	G	L	L1	I	I1	p x p1	p	SW
614.11 72 x 72	0.66 lb	mm	36.5	50	6	-		72	-	62	-	-	66	14
		in.	1.44	1.97	.24	-	1/4" NPT	2.83	-	2.44	-	-	2.6	.55
614.11 96 x 96	0.88 lb	mm	39	50	6	-		96	-	79	-	-	88.5	14
		in.	1.54	1.97	.24	-	1/4" NPT	3.78	-	3.11	-	-	3.48	.55
614.11 144 x 144	1.98 lb	mm	46.5	71.5	8	30		144	-	134	-	-	136	22
		in.	1.83	2.81	.32	1.18	1/2" NPT	5.67	-	5.28	-	-	5.35	.87
614.11 144 x 72	3.52 lb	mm	168	197	8	18		144	72	134	62	134 x 63.5	-	17
		in.	6.6	7.76	.32	1.41	1/2" NPT	5.67	2.83	5.28	2.44	5.28 x 2.5	-	.67

**THE MEASURE OF
Total Performance™**

Ordering Information:

State computer part number (if available) / type number / size / range / connection size and location / options required.

Specifications given in this price list represent the state of engineering at the time of printing. Modifications may take place and the specified materials may change without prior notice



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