

Capsule pressure gauge Edgewise panel design Models 614.11, 634.11

WIKA data sheet PM 06.05



for further approvals
see page 4

Applications

- For gaseous, dry and non-aggressive media that will not attack copper alloy parts
- Model 614.11: Measuring system copper alloy
Model 634.11: Measuring system stainless steel, also for aggressive media

Special features

- Low scale ranges from 0 ... 2.5 mbar
- Panel mounting
- Zero adjustment at the front



Capsule pressure gauge, edgewise panel design,
model 614.11

Description

Design

DIN 43700

Nominal size in mm

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

Accuracy class

1.6

Pressure limitation

Steady: Full scale value

Fluctuating: 0.9 x full scale value

Permissible temperature

Ambient: -20 ... +60 °C

Medium: +100 °C maximum

Temperature effect

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

Scale ranges

NS	Scale ranges in mbar	
	Model 614.11	Model 634.11
72 x 72	0 ... 25 to 0 ... 600	0 ... 40 to 0 ... 600
96 x 96	0 ... 10 to 0 ... 600	0 ... 40 to 0 ... 600
144 x 144	0 ... 6 to 0 ... 600	-
144 x 72	0 ... 4 to 0 ... 600	0 ... 2.5 to 0 ... 600

or all other equivalent vacuum or combined pressure and vacuum ranges

Standard version

Process connection

Model 614.11: Copper alloy

Model 634.11: Stainless steel

Back mount

NS 72 x 72 and 96 x 96: G ¼ B (male), SW 14

NS 144 x 144: G ½ B (male), SW 22

NS 144 x 72: G ½ B (male), SW 17

Pressure element

Model 614.11: Copper alloy

Model 634.11: Stainless steel

Sealing

Model 614.11: NBR

Model 634.11: Viton®

Movement

Copper alloy, wear parts argentan, with zero adjustment

Dial

Aluminium, white, black lettering

Pointer

Aluminium, black

Case (DIN 43700)

NS 72 x 72, 96 x 96, 144 x 144: Steel, galvanised

NS 144 x 72: Steel, black

Window

NS 144 x 72: Instrument glass

NS 72 x 72, 96 x 96 and 144 x 144: Clear non-splintering plastic

Panel frame (DIN 43718)

Steel, black, narrow, snap-fit

Options

- Other process connection
- Sealings (model 910.17, see data sheet AC 09.08)
- Overpressure or vacuum safety with scale ranges
 - ≤ 25 mbar: 3 x full scale value with scale ranges
 - > 25 mbar: 10 x full scale value
- Wide panel frame

Special version

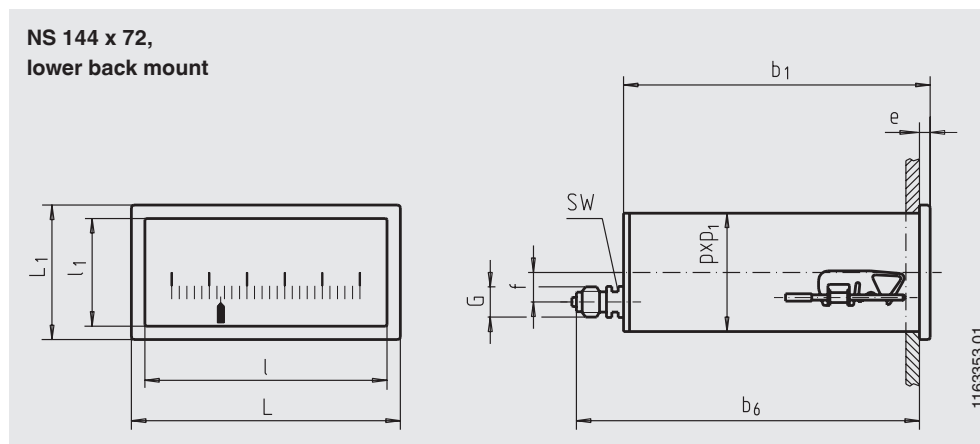
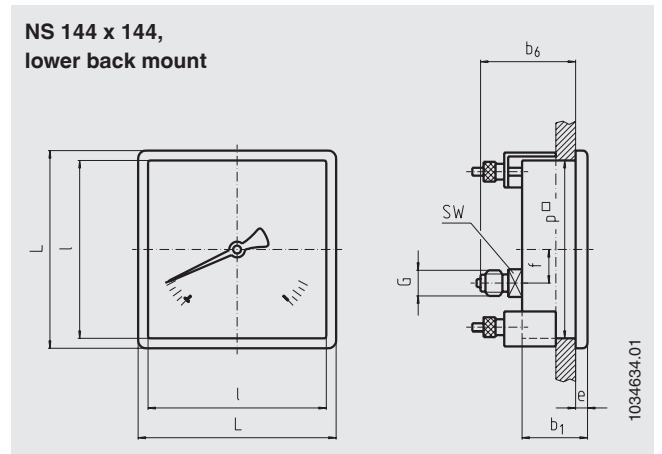
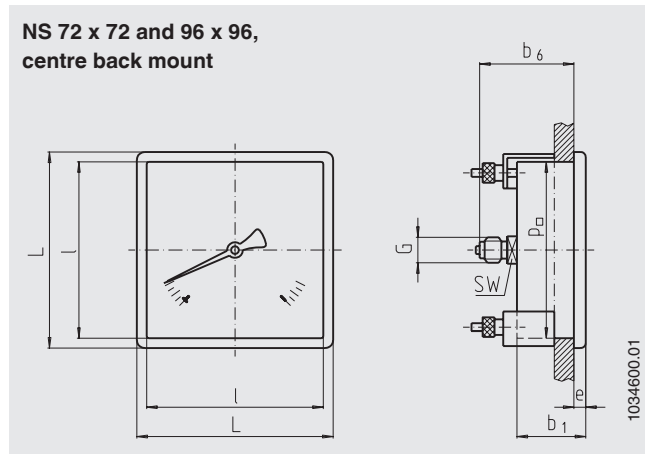
Edgewise panel design with switch contact

NS 144 x 72, max. two switch contacts, scale ranges 0 ... 40 to 0 ... 600 mbar, with bellow-capsule element, arranged in cylindric measuring chamber on case bottom

Viton® fluoroelastomer is a registered trademark of DuPont Performance Elastomers.

Dimensions in mm








Standard version



NS	Dimensions in mm												Weight in 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

Process connection per EN 837-3 / 7.3

Approvals

Logo	Description	Country
	EU declaration of conformity Pressure equipment directive	European Union
	EAC Pressure equipment directive	Eurasian Economic Community
	GOST Metrology, measurement technology	Russia
	KazInMetr Metrology, measurement technology	Kazakhstan
-	MTSCHS Permission for commissioning	Kazakhstan
	BelGIM Metrology, measurement technology	Belarus
	UkrSEPRO Metrology, measurement technology	Ukraine
	Uzstandard Metrology, measurement technology	Uzbekistan
-	CPA Metrology, measurement technology	China

Certificates (option)

- 2.2 test report
- 3.1 inspection certificate

Approvals and certificates, see website

Ordering information

Model / Nominal size / Scale range / Connection size / Connection location / Options

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