



LOW PRESSURE GAUGE

312M, 322M

diameter 100mm
bottom and back
connection

DESCRIPTION:

- stainless steel case 17 240/1.4301
 - safety glass inspection hole
- connection 312M (bottom), 322M (back) CuZn and copper alloys
- measuring mechanism CuZn and copper alloys
 - reset bolt

APPLICATION:

- gas industry
- heating industry
- air-conditioning
- power engineering
- gas distribution

TECHNICAL PARAMETERS:

- diameter: 100mm
- measure ranges: 0-400, 600Pa
 - 0-1; 1,6; 2,5; 4; 6; 10; 16; 25; 40kPa
 - 150+250; -200+400; -400+600Pa
 - 0,6+1; -1+1,5; -1,5+2,5; -2+4;
 - 4+6; -6+10; -10+15; -15+25kPa
 - 400-0; -600-0Pa
 - 1-0; -1,6-0; -25,-0; -4-0; -6-0; -10-0; -16-0; -25-0; -40-0kPa
 - scale: Pa, bar
- connection threads: M20x1,5, G1/2
 - accuracy class: 1,6%
- design: pressure gauge, pressure-vacuum indicator, vacuum indicator
 - special scale design

SPECIFICATION:

Low pressure gauges 312M/322M are produced according to standard EN837-3. Mainly used for pressure measuring of liquids, vapour and gases, that do not have corrosive effect on copper alloys.

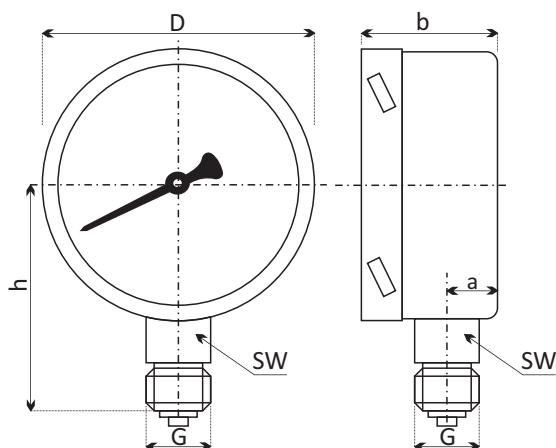
Low pressure gauges are designed for very low pressure measurements up to 400Pa. Used primary in gas distribution.

Environment temperature -40 up to 60°C, medium temperature T_{max} 60°C. Low pressure gauges are equipped with regulatory bolt for exact reset, when it is required to set zero value before each installation.

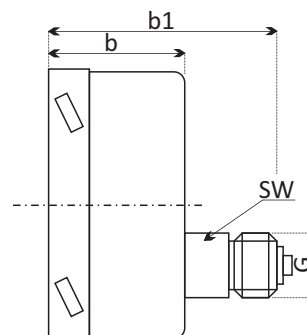
Other design options on request - special scale design, connection thread, glycerine or silicon damping, front/back flange, etc.

Code	312M	322M
Diameter	100mm	
Design	bottom connection	back connection
Accuracy class	1,6 %	
Measure ranges	0-400Pa...0-40kPa, vacuum and pressure	
Highest accuracy	constant pressure - 3/4 from all range ,fluctuating pressure - 2/3 from all range	
Case	stainless steel 17 240/1.4301	
Ring	stainless steel 17 240/1.4301 - bayonet	
Inspection hole	glass	
Dial	white Al sheet with black print according to DIN 16 109	
Needle	black sprayed Al sheet	
Machine basis	CuZn - alloy	
Spring	Cu -alloy	
Connection	CuZn - alloy	
Thread	M20x1,5 or G1/2	
Medium temper.	T _{max} 60°C	
Environment temp.	T _{min} -40°C, T _{max} 60°C	
Measurement dependance on temp.	0,3%/10K for deviation from standard temperature 20°C	
Weight approx.	0,3 kg	

• 312M - bottom connection



• 322M - back connection



Dimensions in mm								
Type	Nom. size	a	b	b1	D	G	h	SW
312M	100	15	50	-	101	M20x1,5	84	22
322M	100	-	50	83	101	G1/2	-	22