

**122AAL100**

Similar item: 122AB

### Application

- ✓ Low pressure/vacuum measurement of gas and dry air
- ✓ Medical and agricultural machinery
- ✗ **Do not use** for medias that are viscous, crystallizing and corroding copper alloy

### Special Features

- ✓ Reliable capsule measuring system made of copper alloy
- ✓ Zero adjusting screw on dial
- ✓ Strong design with full stainless steel case and bezel
- ✓ Thin pointer design

### Description

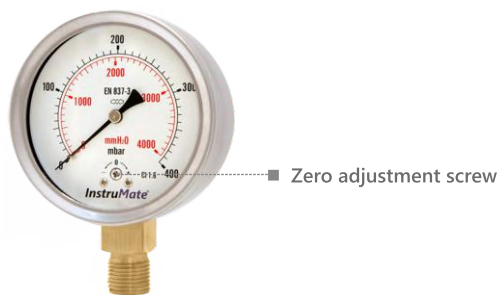
InstruMate low pressure gauge model 122AA is the strongest design for a low pressure gauge with brass connection. The case in this capsule pressure gauge is DIN type (openable) which makes it easy to recalibrate and adjust the pressure gauge if needed.

Choosing reliable capsule measuring system assures you can count on it for any low pressure monitoring with medias not attacking copper alloys.

All InstruMate pressure gauges have geometrically balanced dial designs to make gauge readings easier

### Default Specification

<b>Design</b>	<b>Nominal sizes in mm</b>
EN 837-3	63, 100
<b>Process Connection</b>	<b>Pressure Limitations</b>
Copper alloy NS 63: G ¼ NS 100: G ½	Steady: 100% of full scale Fluctuating: 90% of full scale
<b>Scale Range</b>	<b>Temperature Effect</b>
NS 63: 0...25 to 1000 mbar NS 100: 0...16 to 1000 mbar Vacuum & compound ranges	$\pm 0.055 \times (t_2 - t_1)$ % of the span $t_1$ is the Reference temperature in degrees celsius. $t_2$ is the Ambient temperature in degrees celsius.
<b>Ingress Protection</b>	<b>Permissible Temperature</b>
IP43	Ambient: -20...+60 °C Medium: +90 °C Maximum
<b>Pressure units</b>	<b>Pressure Element</b>
mbar/mmWC (other pressure units available on request)	Copper alloy Capsule system
<b>Pointer</b>	<b>Accuracy</b>
Aluminum (thin), Black	1.6% of full scale
<b>Window</b>	<b>Dial</b>
Glass	Aluminum
<b>Case</b>	<b>Movement</b>
Matte SS304	Copper Alloy

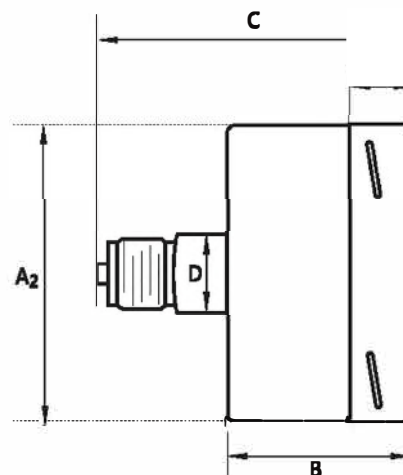
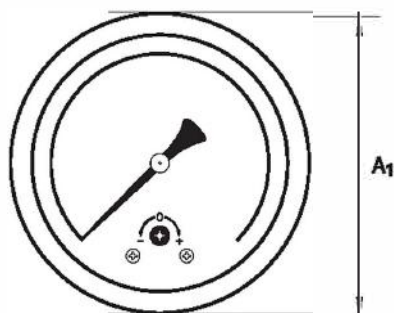


### Options

- ✓ Requested process connections other than stated in the table
- ✓ Accuracy Class 1% (only for 100mm dial size)
- ✓ Up to 400% overpressure safety
- ✓ Pressure Ranges as low as 0...10 mbar or -5...+5 mbar (only with 100mm dial size)
- ✓ Blow out disk on backside of case, safety glass as window

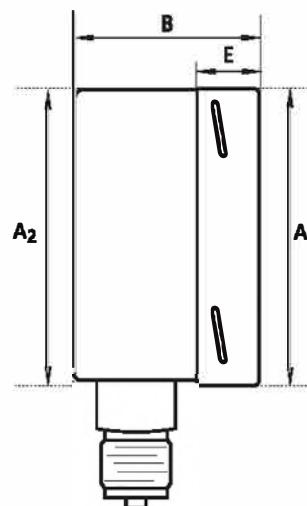
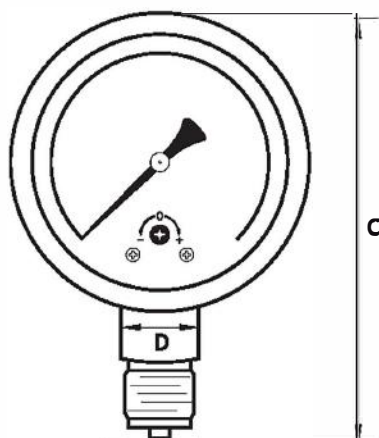
## Dimensions (in mm)

### Center Back Connection



Nominal Size	A <sub>1</sub>	A <sub>2</sub>	B	C	D	E	KG
63	63.5	61	36	59	14	12.5	0.18
100	101	98	49	89	22	17	0.582

### Bottom Connection



Nominal Size	A <sub>1</sub>	A <sub>2</sub>	B	C	D	E	KG
63	63.5	61	36	84	14	12.5	0.19
100	101	98	49	137	22	17	0.532

Thread Type	Code
NPT	N
BSP	B
BSPT	Z
Metric	M

Thread Size	Code
1/4	4
1/2	2
3/8	3
1/8	
for metric sizes write the number	M.....

### How To Order

Product Group Name	Model	Mounting	Nominal Size	Thread Type	Thread size	Scale Range	Options
E.g. Capsule Pressure Gauges	122AA	L	100	B	2	0...100mbar	-

Or simply order by item number on the basis of your previous purchases.