



Description

Capsule Diaphragm Pressure Gauges are designed for accurate measurements of low-pressure ranges. They have various case designs and process connections for different industrial applications.

A modular capsule diaphragm made of copper-beryllium is the pressure sensing element of those pressure gauges. Therefore, capsule diaphragm pressure gauges are compatible with process fluids that do not wear copper-beryllium material. Under relative or vacuum pressure, the amount of capsule diaphragm's expansion or contraction is proportional to the applied pressure and this is directly transferred to the movement of the pressure gauge.

Industrial Applications

Heat engineering, medical applications, environmental technology, lab technology, filter monitoring,

General Specifications

Conformity:
EN 837-3

Sizes (mm):
Ø63, Ø100

Unit:
mbar

Measurement Ranges:
Ø63: -1000/0, 0/25...1000 mbar
Ø100: -1000/0, 0/16...1000 mbar
and equivalent compound gauges

Accuracy Class:
Cl. 1.6

Working Pressure:
75% of Full Scale

Overpressure Resistance:
1.25xFull Scale

Ingress Protection Rate:
IP41

Versions:
Standard

Working Temperature Range:
Ambient: -20...60°C
Process: -20...60°C

Process Connections:
G1/4"B (Ø63mm)
G1/2"B (Ø100mm)

Materials:

Capsule Diaphragm:

Copper Beryllium

Socket:

Brass

Case:

Yellow Painted Metal

Cover:

Ø63: Acrylic

Ø100: Yellow Painted Metal

Movement:

Brass

Window:

Ø63: Acrylic

Ø100: Glass (Optional: Safety Glass)

Dial:

Aluminium

Pointer:

Aluminium

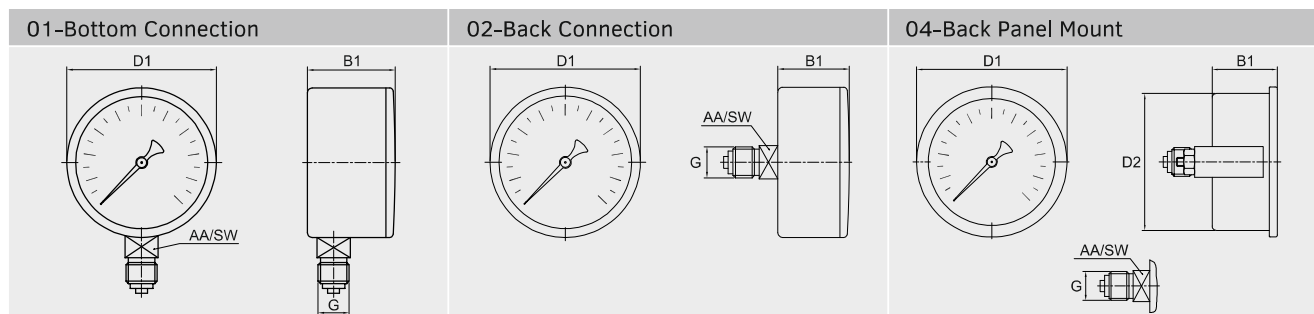
Options:

Other Process Connections

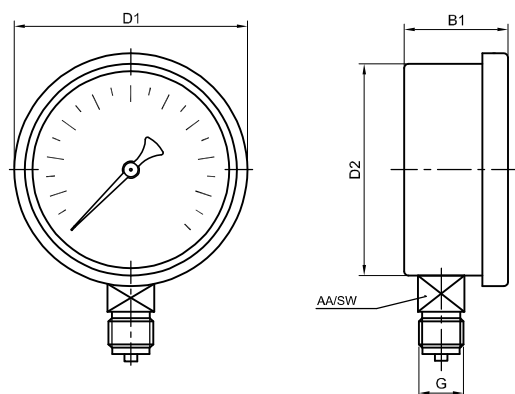
Other Pressure Units

Special Dial Design

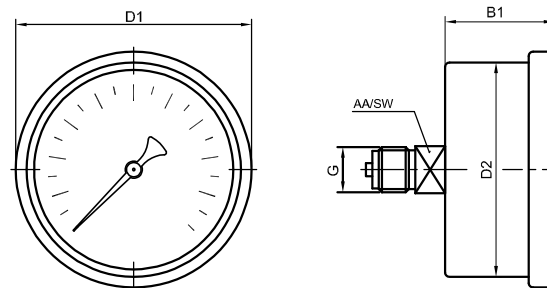
Black Painted Case and Cover

Dimensions (mm) Ø63

Dimensions (mm) Ø100

01-Bottom Connection



02-Back Connection



Ø	Connections	Version	Case	Window	Cover	D1	D2	B1	G	AA/SW
Ø63	Bottom	Standard	Metal	Acrylic	Acrylic	63	-	35,5	G1/4"	14
	Back	Standard	Metal	Acrylic	Acrylic	63	-	30	G1/4"	14
	Back Panel Mount	Standard	Metal	Acrylic	Acrylic	68	63	29	G1/4"	14
Ø100	Bottom	Standard	Metal	Glass	Metal	110	100	48	G1/2"	22
	Back	Standard	Metal	Glass	Metal	110	100	48	G1/2"	22

Approvals:



Turkish Standards Institution



ISO 9001 Quality Management System



TURKAK Calibration Laboratory Accreditation Certificate



2014/68/EU Pressure Equipment Directive – Certificate of Conformity



Gost Certificate

*System and quality certifications of PAKKENS Inc.
Product and product group certifications may vary*