



### **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
Confirmity: EN 837-3
Sizes (mm): Ø63, Ø100, Ø160
Unit: mbar
Measurement Ranges: Ø63: -1000/0, 0/251000 mbar Ø100: -1000/0, 0/161000 mbar Ø160: -1000/0, 0/2.51000 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: -2060°C Process: -2060°C Storage: -4070°C
Process Connections: G1/4"B (Ø63mm)

# Materials:

# Capsule Diaphragm:

Copper Beryllium

#### Socket: Brass

Casa

### Case:

Yellow Painted Metal (Optional: Black Painted)

#### Cover:

Ø63: Acrylic

Ø100, Ø160: Yellow Painted Metal

#### **Movement:**

**Brass** 

#### Window:

Ø63: Acrylic

Ø100, Ø160: Glass (Optional: Safety Glass)

#### Dial:

Aluminium

#### Pointer:

Aluminium

#### Options:

Other Process Connections Other Pressure Units Special Dial Design Nitrogen (N) Dial Oxygen (O) Dial Argon (Ar) Dial

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Where Pressure Matters...™

G1/2"B (Ø100mm,Ø160mm)

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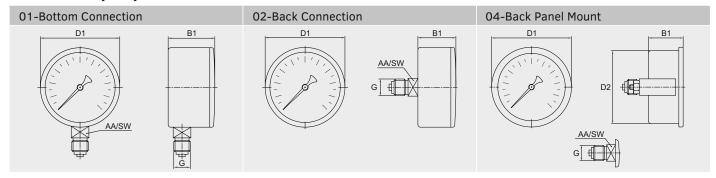
# **Capsule Pressure Gauges**



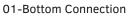
В1

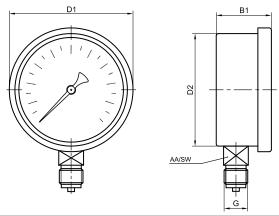
D2

## Dimensions (mm) Ø63

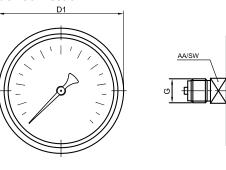


## **Dimensions (mm) Ø100, Ø160**

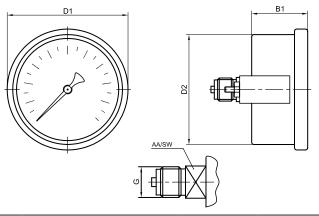








#### 04-Back Panel Mount



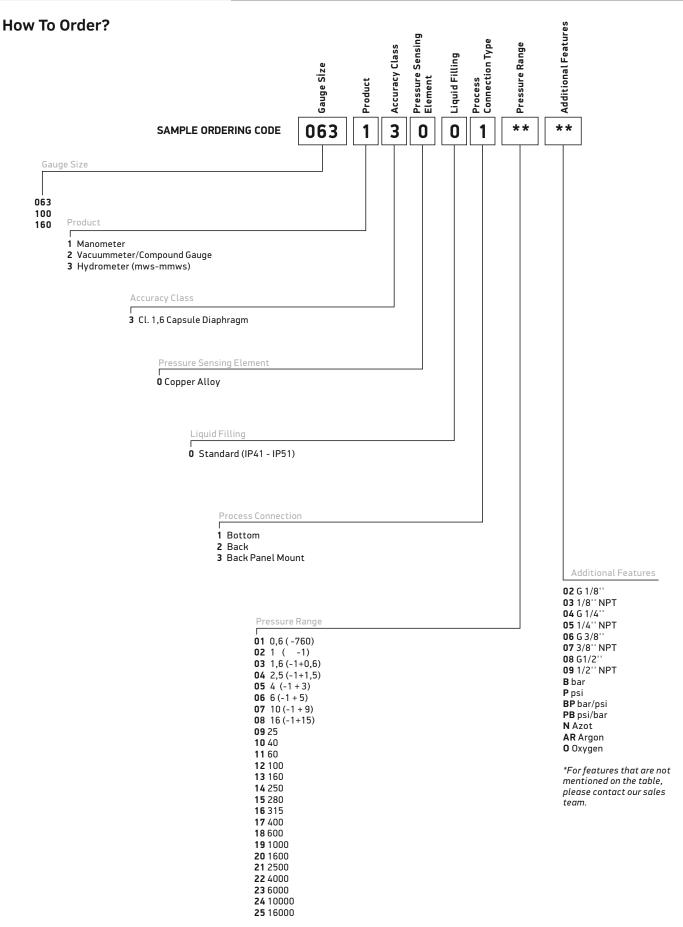
Ø	Connections	Version	Case	Window	Cover	D1	D2	В1	G	AA/SW
Ø63	Bottom	Standard	Metal	Acrylic	Acrylic	63	-	35,5	G1/4"	14
	Back	Standard	Metal	Acrylic	Acrylic	63	-	30	G1/4"	14
	Back Panel Mount	Standard	Metal	Acrylic	Acrylic	68	63	29	G1/4"	14
Ø100	Bottom	Standard	Metal	Glass	Metal	110	100	48	G1/2"	22
	Back	Standard	Metal	Glass	Metal	110	100	48	G1/2"	22
	Back Panel Mount	Standard	Metal	Glass	Metal	110	100	48	G1/2"	22
Ø160	Bottom	Standard	Metal	Glass	Metal	174	158	48	G1/2"	22
	Back	Standard	Metal	Glass	Metal	174	158	48	G1/2"	22
	Back Panel Mount	Standard	Metal	Glass	Metal	174	158	48	G1/2"	22

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# **Capsule Pressure Gauges**



### **Approvals:**



Turkish Standards Institution



**EN ISO 9001** ISO 9001 Quality Management System



TURKAK Calibration Laboratory Accreditation Certificate



€ 2014/68/EU Pressure Equipment Directive - Certificate of Conformity



**PG** Gost Certificate

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

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