



## Description

Accurate Pressure Gauges are designed for pressure measurements in different industrial applications where high accuracy is needed. Accurate pressure gauges have various case designs and wide pressure measurement ranges and are all compatible with process fluids that do not attack Copper Alloys and AISI 316L.

## Industrial Applications

Water&Waste-Water treatment plants, machine building, HVAC systems, hydraulic and pneumatics, process lines

## General Specifications

### Conformity:

EN 837-1

### Sizes (mm):

Ø100, Ø160, Ø250

### Unit:

bar/psi

### Measurement Ranges:

-1/0, 0/0.6...600 bar (-15/0, 0/9...9000 psi)  
Equivalent compound gauge scales

### Accuracy Class:

CL 1.0

### Working Pressure:

75% of Full Scale

### Overpressure Resistance:

1.25xFull Scale (Up to 100 bar)  
1.15xFull Scale (From 100 bar to 600 bar)  
1.1xFull Scale (600 bar)

### Ingress Protection Rate:

IP41

### Versions:

Standard

### Working Temperature Range:

Ambient: -20...60°C  
Process: -20...60°C

### Process Connections:

G1/2"B

### Materials:

#### Bourdon Tube:

Copper Alloy (Up to 100 bar)  
AISI 316L (Over 100 bar)

#### Socket:

Brass

#### Case:

Black Painted Metal

#### Cover:

Black Painted Metal

#### Movement:

Brass  
Stainless Steel (For Ø100 and Ø160, between -1...1.6bar)

#### Window:

Glass (Optional: Safety Glass)

#### Dial:

Aluminium

#### Pointer:

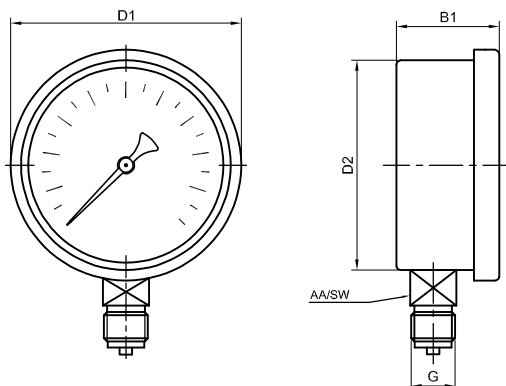
Aluminium

### Options:

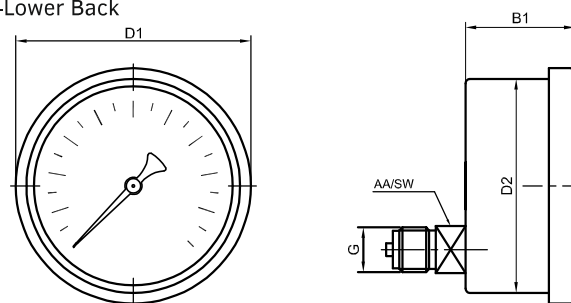
Other Process Connections  
Other Pressure Units  
Special Dial Design  
Dampened Movement (Vib-Lock)  
Adjustable Pointer  
Silver Brazed (Max Work.Temp. 120°C)  
Coated Case and Pressure Sensing Element

## Dimensions (mm)

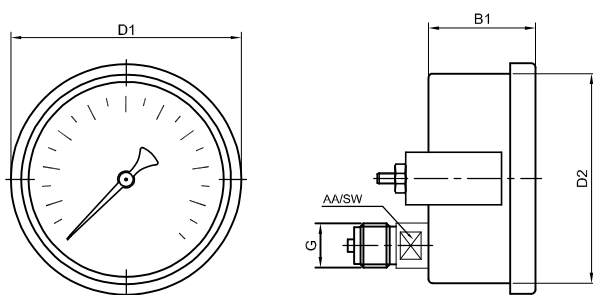
01-Bottom Connection



02-Lower Back



03-Lower Back Panel Mount



| Ø    | Connections            | Version  | Case  | Window | Cover | D1  | D2    | B1 | G     | AA/SW |
|------|------------------------|----------|-------|--------|-------|-----|-------|----|-------|-------|
| Ø100 | Bottom                 | Standard | Metal | Glass  | Metal | 110 | 100   | 48 | G1/2" | 22    |
|      | Lower Back             | Standard | Metal | Glass  | Metal | 110 | 100   | 48 | G1/2" | 22    |
|      | Lower 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    |
| Ø250 | Bottom                 | Standard | Metal | Glass  | Metal | 250 | 242,8 | 52 | G1/2" | 22    |

## Approvals:

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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*