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

Confirmity:
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 (Over 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
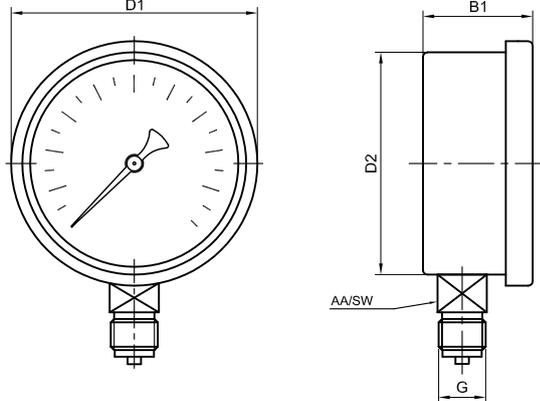Coated Case and Pressure Sensing Element
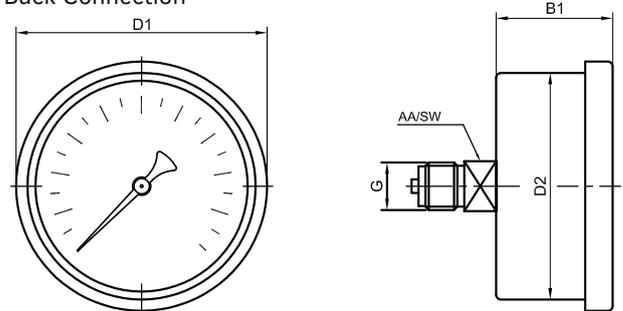Nitrogen (N) Dial
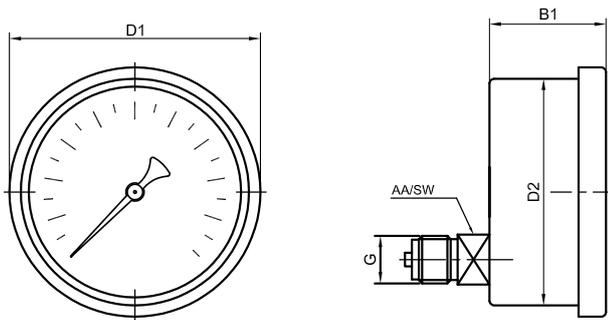Oxygen (O) Dial
Argon (Ar) Dial

Dimensions (mm)

01-Bottom Connection

02-Back Connection

03-Lower Back

04-Lower Back Panel Mount
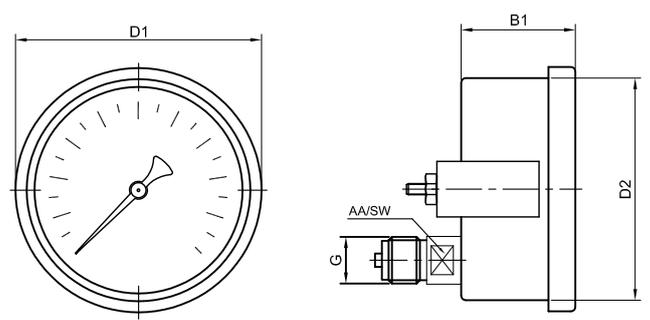
Ø	Connections	Version	Case	Window	Cover	D1	D2	B1	G	AA/SW
Ø100	Bottom	Standard	Metal	Glass	Metal	110	100	48	G1/2"	22
	Lower Back	Standard	Metal	Glass	Metal	110	100	48	G1/2"	22
	Lower Back Panel Mount	Standard	Metal	Glass	Metal	110	100	48	G1/2"	22
Ø160	Bottom	Standard	Metal	Glass	Metal	174	158	48	G1/2"	22
	Lower Back	Standard	Metal	Glass	Metal	174	158	48	G1/2"	22
	Lower Back Panel Mount	Standard	Metal	Glass	Metal	174	158	48	G1/2"	22
Ø250	Bottom	Standard	Metal	Glass	Metal	250	242,8	52	G1/2"	22
	Back	Standard	Metal	Glass	Metal	250	242,8	52	G1/2"	22

Where Pressure Matters...™

How To Order?

| Gauge Size | Product | Accuracy Class | Pressure Sensing Element | Liquid Filling | Process Connection Type | Pressure Range | Additional Features |

SAMPLE ORDERING CODE `100` `1` `0` `0` `0` `1` `**` `**`

Gauge Size

100
160
250

Product

1 Manometer
2 Vacuummeter/Compound Gauge
3 Hydrometer (mws-mmws)

Accuracy Class

1 Cl. 1,0 Bourdon Group

Pressure Sensing Element

0 Copper Alloy

Liquid Filling

0 Standard (IP41 - IP51)

Process Connection

1 Bottom
2 Back
4 Lower Back
5 Lower Back Panel Mount

Pressure Range

01 0,6 (-760)
02 1 (-1)
03 1,6 (-1+0,6)
04 2,5 (-1+1,5)
05 4 (-1 + 3)
06 6 (-1 + 5)
07 10 (-1 + 9)
08 16 (-1+15)
09 25
10 40
11 60
12 100
13 160
14 250
15 280
16 315
17 400
18 600
19 1000
20 1600
21 2500
22 4000
23 6000
24 10000
25 16000

Additional Features

02 G 1/8''
03 1/8'' NPT
04 G 1/4''
05 1/4'' NPT
06 G 3/8''
07 3/8'' NPT
08 G1/2''
09 1/2'' NPT
B bar
P psi
BP bar/psi
PB psi/bar
GK Silver Brazed
SI Drag Pointer
N Azot
AR Argon
O Oxygen
AI Adjustable Pointer

For features that are not mentioned on the table, please contact our sales team.

Approvals:

⬦ TSE   Turkish Standards Institution

EN ISO 9001   ISO 9001 Quality Management System

TÜRKAK
Kalibrasyon
TS EN ISO/IEC 17025
AB-0009-K   TURKAK Calibration Laboratory Accreditation Certificate

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

PC⊤   Gost Certificate

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

Technical Document No: SRT.02.15/00

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