



### Description:

Solid-Front Pressure Gauges have been designed to meet the extended safety requirements of different industries. Solid Front Pressure Gauges have S3 Safety Designation according to the EN837-1 Standard and are equipped with a baffle wall and a blow-out back. In case of any failure, the baffle wall between the dial and pressure sensing element prevents any frontal damage. Moreover, excessive pressure inside the pressure gauge due to the failure is safely ejected by blow-out back. Except for safety features, Solid-Front Pressure Gauges have a wide measurement range and they are compatible with process media that are not highly viscous, crystallizable, and aggressive. In order to lessen the effects of high dynamic pressure loads and vibrations, the products can be filled with Glycerine or Silicone Oil.

### Industrial Applications:

Oil and gas industry, petrochemical plants, mining industry, machine building, hydraulic/pneumatic systems, treatment systems

### General Specifications:

**Conformity:**

EN837-1 (S3 Safety Designation)

**Gauge Sizes (mm):**

Ø100, Ø160

**Measurement Range:**

-1bar/0.6bar...1000bar

**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:**

IP65

**Versions:**

Fillable

Liquid Filled: Glycerin (Optional: Silicone Oil)

**Working Temperature Range:**

Ambient:

-10°C...60°C (Glycerine Filled)

-20°C...60°C (Fillable, Silicone Oil Filled)

Process:

Max 100°C (Glycerine Filled)

Max 200°C (Fillable, Silicone Oil Filled)

**Process Connection**

1/2" NPT

**Material:****Bourdon Tube**

AISI 316L

**Socket:**

AISI 316L

**Case:**

AISI 316L

**Cover:**

AISI 316L

**Baffle Wall:**

AISI 316L

**Blow-out Back:**

AISI 316L

**Movement:**

Stainless Steel

**Window:**

Laminated Safety Glass

**Dial:**

Aluminium

**Pointer**

Aluminium

**Options:**

Other Process Connections

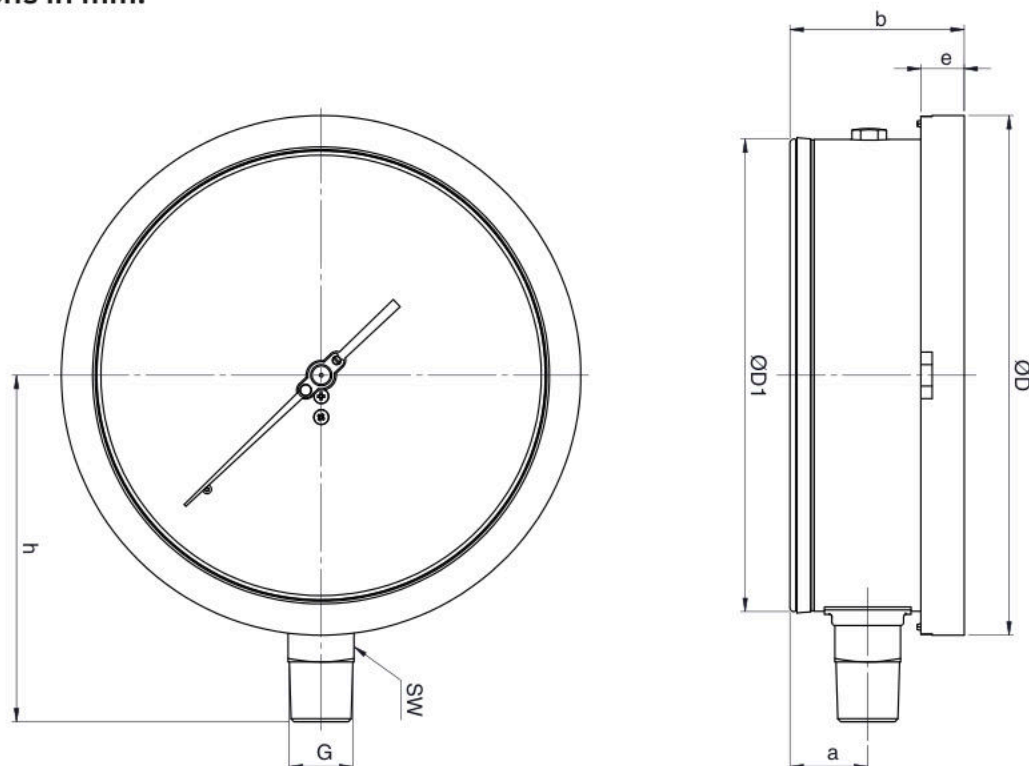
Other Pressure Units

Special Dial Desing

Dampened Movement (Vib-Lock)

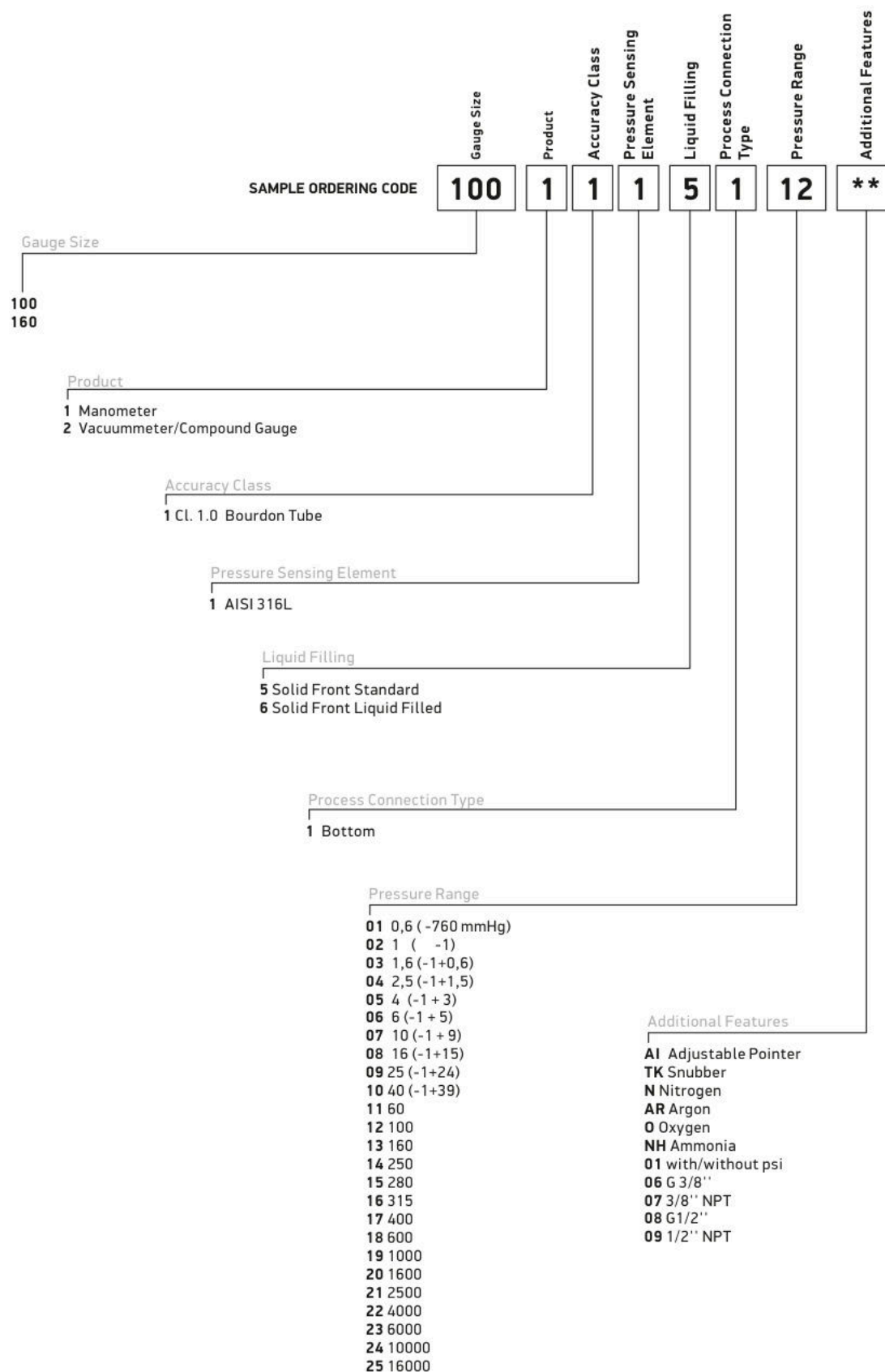
Adjustable Pointer

Dimensions in mm:



| Nominal | G        | SW | h   | b    | e    | a  | ØD  | ØD1   |
|---------|----------|----|-----|------|------|----|-----|-------|
| Ø100    | 1/2" NPT | 22 | 85  | 54.4 | 12.5 | 24 | 110 | 98.8  |
| Ø160    | 1/2" NPT | 22 | 116 | 58.4 | 14.5 | 26 | 174 | 158.2 |

## How to Order?



## 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



2011/65/EU Restriction of Hazardous Substances Directive - Declaration of Conformity



Gost Certificate



2014/34/EU Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres - Certificate of Conformity

*System and quality certifications of PAKKENS Inc.*

*Product and product group certifications may vary*