

Bourdon Tube Process Gauges, Safety Pattern Version

Technical Specification

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- **Features of Safety Pattern Version Pressure Gauge**

Safety pressure gauge with solid baffle wall designed in compliance with operational safety requirement of ASME B40.1

Excellent load-cycle stability and shock resistance

Scale ranges up to 0...1000 bar

- **Description**

Design Per US Standard ASME B 40.1

- **Nominal Size**

4¹/₂"

- **Measuring range**

0...0.6bar to 0...1000bar (0..10psi to 0...15000psi) or all other equivalent vacuum or combined pressure and vacuum ranges.

- **Temperature Requirement**

Ambient:-40...+65 ° C without liquid filling;-20.....+65° C gauges with glycerine filling

Medium:+100 ° C maximum

- **Accuracy Class**

Grade 2A per ASME B 40.1 (Corresponds indication accuracy 0.5%)

- **Temperature Effect**

When the temperature of the measuring system deviates from the reference temperature (+20°

C):max ± 0.4%/10k of full scale value.

- **Ingress Protection**

IP54

Liquid filling IP65

- **Process Connection**

Stainless steel 316L

Thread 1/4", 1/2".PT,BSP,NPT options

- **Pressure element**

Stainless steel 316L

<100bar,: c type

≥ 100bar: helical type

- **Movement**

Stainless steel

- **Dial**

Aluminum, white, black lettering, pointer stop pin at 6 o'clock

- **Pointer**

Adjustable pointer, aluminum, black

- **Case**

PBTP, black ,with solid baffle wall (strengthened polyamide option)

Solid front safety pattern case with integral baffle wall and blow-out back.

Integral surface mounting flange

- **Window**

Clear non-splintering plastic(PMMA),retained by internal threaded bezel.

- **Liquid Filling**

Glycerine: 99.7%

- **Pictures**



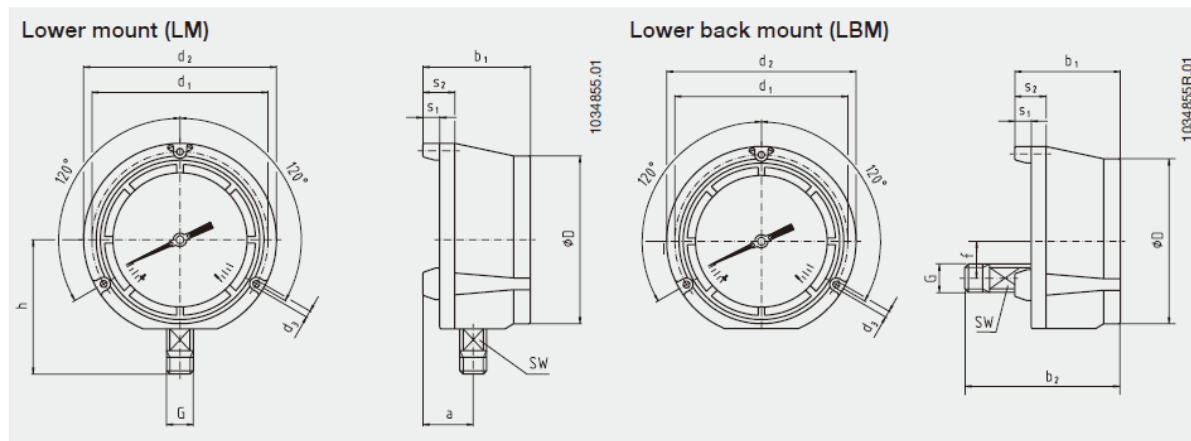
Other process Connection

- Assembly on diaphragm seals
- Laminated safety glass or instrument glass window
- Measuring system cu-alloy
- Alarm contacts
- Internal pressure stops

Contact our sales for details.

● Dimensions (Unit mm)

Standard Version



NS	Dimensions in mm													Weight in kg	
	a	b ₁	b ₂	D	d ₁	d ₂	d ₃	f	G	h ± 1	s ₁	b ₂	SW	Model 232.34	Model 233.34
4 ½"	40	84	120	128	136.5	148	6.3	28.5	½ NPT	103	12.5	25	22	0.91	1.36

● Order Information

Model/Nominal size/scale range/connection size/Options