

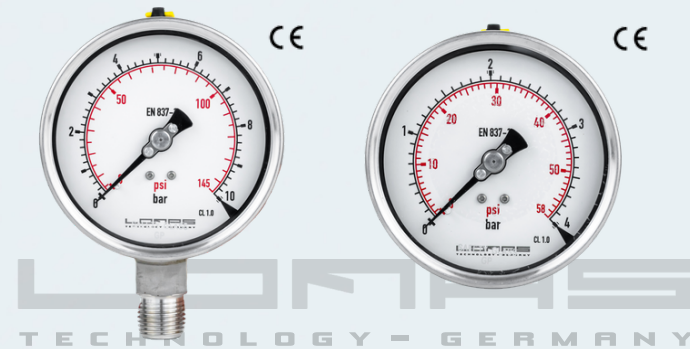
LSS SERIES Full Stainless steel Bourdon Tube Pressure Gauge

Features

- Laser welding between case and connection
- Over range protection 1.3 times max
- Liquid filled or dry
- All stainless steel
- 0-1000bar

Options

- NPT, BSPT or other process connection thread
- Restrictor (RS)
- Special face design
- Glycerin 99.5% filled (GF)
- Silicone oil filling (SF)
- Refrigeration Scale (RF)
- Ammonia NH3 scale (AM)
- Blow-out rubber at back of 100mm and 150mm case (BO)
- Compensation oil cap for Range up to 16bar (CO)
- 160mm dial size (160)
- Laminated safety glass window (SF)



Specification

Component	Material / Design
Case & Bezel	AISI 304 stainless steel with DIN bayonet ring; blow-out rubber option (100 & 150 mm)
Window	Toughened glass (laminated safety glass optional)
Dial Plate	Aluminum, white background; single scale (black) or dual scale (black/red)
Pointer	Aluminum, black; adjustable on 100 & 150 mm
Bourdon Tube	AISI 316L; C-type (63 mm / low ranges), helical (≥ 100 bar)
Movement	AISI 304 stainless steel
Process Connection	AISI 316 stainless steel, laser-welded 63 mm: 1/2" NPT male (standard) 100 & 150 mm: 1/2" NPT male (standard) Bottom connection standard; back connection available on request G1/8, G1/2, BSPT available on request

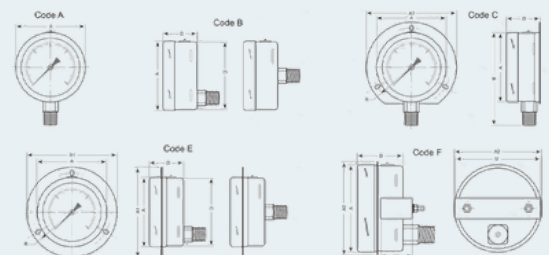
Parameters

Parameter	Value
Nominal Size	63 mm (2.5"), 100 mm (4"), 150 mm (6")
Design Standard	EN 837-1
Accuracy Class	63 mm: Class 1.6 100 mm & 150 mm: Class 1.0
Scale Range	Pressure: 0 ... 0.6 bar up to 0 ... 1000 bar Vacuum: -1 ... 0 bar Compound: -1 ... +24 bar Dual Scale: bar/psi standard (bar/kPa on request)
Over-pressure	Steady: full scale Fluctuating: $0.9 \times FS$ Short time: $1.3 \times FS$
Protection Class	IP66
Operating Temp. (Ambient)	Ambient: -40 ... +60 °C (dry), -20 ... +60 °C (filled) Medium: up to +200 °C (dry), up to +100 °C (filled)
Operating Temp. (Medium)	Dry-fillable; glycerin or silicone filling optional

Applications

The Lomas LSS Series is an all-stainless steel industrial pressure gauge designed for aggressive gases and liquids in harsh environments. With a robust construction and liquid-filling option, it ensures long service life and reliable performance in chemical, petrochemical, pharmaceutical, food & beverage, offshore, pulp & paper, fertilizers, and marine industries.

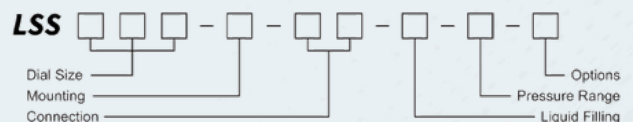
Dimension Drawing



DIAL SIZE	A	A1	A2	B	C	D	R	U	U1
2.5"	Ø 63.5	Ø 88	Ø 70	85	Ø 62	32	36.92	91.5	18
4"	Ø 101	Ø 131	Ø 108	134	Ø 99	49	58.75	105	32
6"	Ø 149	Ø 193	Ø 157	186	Ø 147	49.5	88.13	154	32

Specification and dimension in this catalogue shown the state of engineering standard at printing period, can be changed without prior notice

How to order:



Code Dial Size
063 63mm (2.5")
100 100mm (4")
150 150mm (6")

Code Mounting
A Bottom Connection
B Back Connection
C Bottom Connection with back flange
E Back Connection with front flange
F Back Connection with U-Clamp

Code Liquid Filling
D Dry but fillable
G Glycerine filled
S Silicone oil filled

Code Connection
4 1/4"
2 1/2"
8 1/8"
3 3/8"
N NPT
B BSP B with end stub
T BSPT

Pressure Range
See Standard Pressure Ranges

Options
See options