

LSCL - G Capsule Low Pressure Gauge



LOMAS
TECHNOLOGY - GERMANY

Specification

Component	Material / Design
Case & Bezel	AISI 304 stainless steel with DIN bayonet ring
Window	Instrument glass
Dial Plate	Aluminum, white background, black/red markings (standard)
Pointer	Aluminum, black (standard)
Capsule (Measuring Element)	AISI 316 stainless steel
Movement	AISI 304 stainless steel or chrome-plated brass
Process Connection	1/2" BSP (standard); NPT, BSPT, available on request

Parameters

Parameter	Value
Nominal Size	63 mm (2.5"), 100 mm (4")
Design Standard	EN 837-1 (Bourdon tube), 3-A Sanitary Standard
Accuracy Class	1.6 (standard for sanitary diaphragm gauges)
Scale Range	Vacuum: -1 ... 0 bar Compound: -1 ... +1.5 bar up to -1 ... +15 bar Positive Pressure: 0 ... 0.6 bar up to 0 ... 25 bar (up to 40 bar on request) Dual Scale: Optional bar/psi, mbar/inHg, or other ranges
Protection Class	IP65
Operating Temp. (Ambient)	-20 °C to +60 °C
Operating Temp. (Medium)	Suitable for SIP/CIP cycles (up to +150 °C with cooling element, +100 °C with filling)

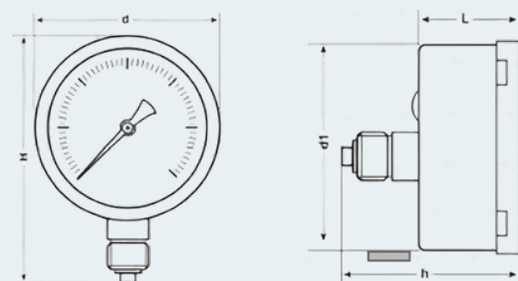
Applications

The Lomas LSCL-G Series All Stainless Steel Capsule Pressure Gauge is engineered for precise measurement of very low pressures in gaseous media. It is particularly suitable for dry, corrosive environments where copper alloy gauges may fail. With its stainless steel construction, it ensures durability and reliability in industrial, laboratory, and specialized applications requiring consistent results in demanding conditions.

Special Features

- All-stainless steel construction for enhanced corrosion resistance.
- Capsule measuring system, ideal for mbar-range low pressure applications.
- Available in two nominal sizes: 100 mm (4") and 150 mm (6").
- Accuracy class 1.6 for reliable measurement performance.
- Conforms to EN 837-1/5 and EN 837-3 standards.
- Clear instrument glass window for excellent readability.
- Optional restrictor, double dial range, or other dial ranges.

Dimension Drawing



DIAL SIZE	d	d1	L	H	h
4"	Ø101	99	50	138	85
6"	Ø161	159	50	200	85

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Code	Dial Size
100	100 mm (4")
150	150 mm (6")

Code	Mounting
A	Bottom
B	Back
C	Bottom + Back Range
D	Back Range/U-Clamp

Code	Connection Size
1	1/2"
2	3/4"

Code	Connection Type
N	NPT
B	BSP
T	BSPT
-	Other options (please Specify)

Code	Liquid Filling
D	Dry Bul Filling
G	Glycerine Filled
S	Silicone Oil Filled

Code	Pressure Range
Specify Range	0- 40/100/160/250/400/600/1000 mbar or Vacuum ranges: +500 to 0 mbar (e.g., +500/0)

Code	Options
Specify options	Glass window (std.)
SS	Stainless-steel window
xy	Special material or drawing (specify)