

LMC Series Magnetic Snap-on Contact Pressure Gauge



LOMAS
TECHNOLOGY - GERMANY

Specification

Component	Material / Design
Case & Bezel	Black-painted steel
Window	Polycarbonate, high-impact
Dial Plate	Aluminum, white background with black/red markings
Pointer	Aluminum, black
Bourdon Tube (Measuring Element)	Brass
Movement	Brass
Process Connection	Brass, 1/4" BSP (63 mm); 1/2" BSP (100 & 150 mm). NPT, BSPT, or others on request
Filling Medium	Magnetic snap-action, up to 2 (NO/NC)
Options	Max AC 380 V / DC 220 V, 1 A, 30 VA

Parameters

Parameter	Value
Nominal Size	63 mm (2.5"), 100 mm (4"), 150 mm (6")
Design Standard	EN 837-1
Accuracy Class	1.6 (63 mm), 1.0 (100 & 150 mm)
Scale Range	Pressure: 0 ... 0.6 bar up to 0 ... 400 bar Vacuum: -1 ... 0 bar Compound: -1 ... +0.6 bar up to -1 ... +24 bar Dual Scale: bar/psi or bar/kPa available on request
Protection Class	IP54
Operating Temp. (Ambient)	-20 °C to +60 °C
Operating Temp. (Medium)	up to +60 °C

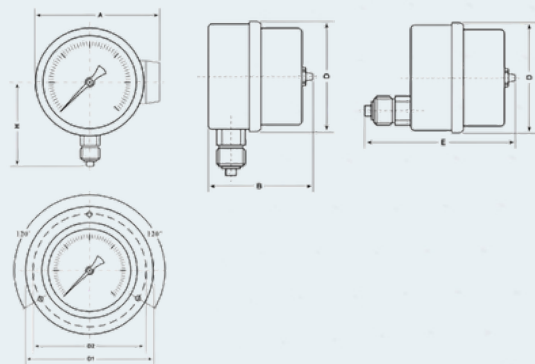
Applications

The Lomas LMC Series combines a Bourdon tube pressure gauge with magnetic snap-action contacts for automatic control, monitoring, or alarm functions. When the process pressure reaches the preset value, the contact opens or closes the electrical circuit. This makes the LMC Series suitable for hydraulic systems, compressors, pumps, and process equipment where both pressure indication and switching are required.

Special Features

- Combines analog pressure indication with switching capability.
- Magnetic snap-action contacts ensure reliable switching, even under vibration.
- Available with single or dual contacts (NO/NC).
- Electrical switching capacity: up to AC 380 V / DC 220 V, 30 VA, 1 A.
- Nominal sizes: 63 mm, 100 mm, 150 mm.
- Conforms to EN 837-1 standards.
- Optional dual-scale dials (bar/psi) for international use.

Dimension Drawing



DIAL SIZE	A	B	D	H	D1	D2	E
2.5"	75	55	60	55	---	---	---
4"	122	88	102	92	Ø130	Ø116	135
6"	168.5	87	150	120	Ø178	Ø166	142

