

LMC-ED Series Magnetic Snap-on Contact Pressure Gauge



Applications

The Lomas LMC-ED Series is a stainless steel contact pressure gauge designed for both pressure indication and electrical switching in demanding environments. The integrated magnetic snap-action contacts open or close circuits once preset pressures are reached, making it suitable for automatic control, monitoring, and alarm functions. With stainless steel case, wetted parts, and TIG-welded Bourdon tube, it provides dependable operation in chemical, petrochemical, marine, and process industries where resistance to corrosion and harsh conditions is essential.

Special Features

- Combines mechanical pressure indication with contact switching.
- Stainless steel construction (case, movement, wetted parts) for corrosion resistance.
- 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: 100 mm (4") and 150 mm (6").
- Conforms to EN 837-1 standard.
- Protection class: IP54 standard, IP65 with liquid-filled case (optional).
- Optional diaphragm seal (threaded or flanged) for aggressive or viscous media.
- Optional dual-scale dials (bar/psi) for export applications.

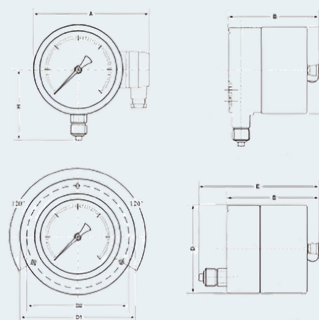
Specification

Component	Material / Design
Case & Bezel	AISI 304 stainless steel with DIN bayonet ring
Window	Instrument glass (optional laminated safety glass)
Dial Plate	Aluminum, white background with black/red markings
Pointer	Aluminum, black (micro-adjustable for 150 mm)
Bourdon Tube (Measuring Element)	AISI 316 stainless steel, TIG-welded
Movement	AISI 304 stainless steel
Process Connection	AISI 316 stainless steel, 1/2" BSP standard (NPT, BSPT optional)
Contacts	Magnetic snap-action, up to 2 (NO/NC)
Electrical Ratings	Max AC 380 V / DC 220 V, 1 A, 30 VA

Parameters

Parameter	Value
Nominal Size	100 mm (4"), 150 mm (6")
Design Standard	EN 837-1
Accuracy Class	1.0
Scale Range	Pressure: 0 ... 0.6 bar up to 0 ... 1000 bar Vacuum: -1 ... 0 bar Compound: -1 ... +0.6 bar up to -1 ... +24 bar Dual Scale: bar/psi, bar / kPa, kg/cm ² / psi available on request
Protection Class	IP54 (dry), IP65 (liquid-filled)
Operating Temp. (Ambient)	-20 °C to +60 °C
Operating Temp. (Medium)	up to +100 °C

Dimension Drawing



Dial Size	A	B	D	H	D1	D2	E
4"	142	104	101.5	88	Ø132	Ø116	143
6"	193	98	161	125	Ø178	Ø166	150

