

LDP Series Differential Pressure Gauge with Bourdon Tube



Applications

The Lomas LDP Series is a differential pressure gauge with twin Bourdon tube measuring systems designed to display the pressure difference between two independent pressure sources. Built with a stainless steel case and wetted parts, it delivers reliable performance in corrosive or harsh environments. Typical applications include filter monitoring, pump and compressor control, flow measurement, and liquid level indication in the chemical, petrochemical, and process industries.

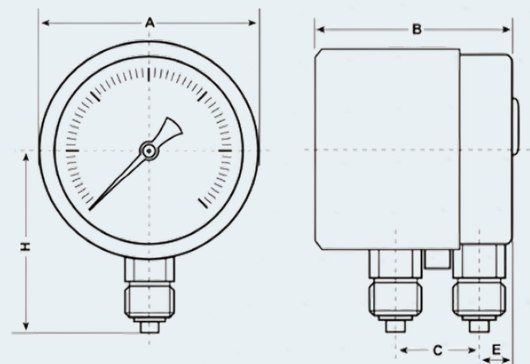
Special Features

- Measures pressure difference between two pressure sources.
- Robust stainless steel case and wetted parts for excellent corrosion resistance.
- Available in 100 mm (4") and 160 mm (6") nominal sizes.
- Scale ranges up to 0 ... 60 bar differential.
- Accuracy class 1.6% of span.
- Conforms to EN 837-1/5.
- Compact, reliable design for field or panel installation.

Specification

Component	Material / Design
Case & Ring	Stainless steel AISI 304
Window	Instrument glass (optional laminated safety glass)
Dial Plate	Aluminum, white background with black markings
Pointer	Aluminum, black
Bourdon Tubes	Stainless steel AISI 316L (twin system)
Movement	Stainless steel AISI 304
Process Connection	Stainless steel AISI 316, 1/2" BSP standard; NPT, BSPT, or others on request

Dimension Drawing

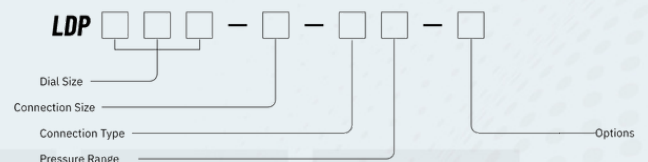


DIAL SIZE	A	B	H	C	E
4"	Ø102	80	95	32	16

Parameters

Parameter	Value
Nominal Size	100 mm (4"), 160 mm (6")
Design Standard	EN 837-1/5
Accuracy Class	±1.6% of span
Scale Range	Differential Pressure: 0 ... 1.6 bar up to 0 ... 60 bar Vacuum: -1 ... 0 bar Compound: -1 ... +24 bar Dual Scale: bar/psi standard (bar/kPa optional)
Protection Class	IP65
Operating Temp. (Ambient)	-20 °C to +60 °C
Operating Temp. (Medium)	up to +100 °C

LDP



Code	Dial Size
100	100 mm (4")

Code	Connection Size
1	1/2"

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

Code	Pressure Range
Specify Range	0-1.6, 0-2.5, 0-4, 0-6, 0-10, 0-16, 0-25, 0-40, 0-60

Code	Options
NS	Non-standard dial range
NA	No special option