



Component	Material / Design
Case & Bezel	Phenolic, black, solid-front safety design with blow-out back
Window	Laminated safety glass (non-splintering)
Dial Plate	Aluminum, white background with black/red markings
Pointer	Aluminum, black, adjustable
Bourdon Tube	Stainless steel AISI 316L
Movement	Stainless steel AISI 304
Process Connection	Stainless steel AISI 316, 1/2" NPT male (standard); other threads (BSP, BSPT, G1/2) available on request
Filling Medium	Glycerin (standard); dry version optional

Parameter	Value
Nominal Size	115 mm (4.5"), 160 mm (6")
Design Standard	EN 837-1, ASME B40.100, BS 1780
Accuracy Class	±0.5% or ±1.0% of span
Scale Range	Pressure: 0 ... 0.6 bar up to 0 ... 2000 bar Vacuum: -1 ... 0 bar Compound: -1 ... +24 bar Dual Scale: bar/psi standard (bar/kPa or kg/cm2/psi on request)
Pressure Limitation	Steady: Full scale Fluctuating: 0.9 × full scale Short time: 1.3 × full scale
Protection Class	IP65
Operating Temp. (Ambient)	-40 °C to +65 °C (dry) -20 °C to +65 °C (liquid-filled)
Operating Temp. (Medium)	up to +100 °C (with filling)

The Lomas LP-G Series is a solid-front safety pressure gauge designed for applications requiring the highest level of operator protection. Featuring a phenolic case with solid baffle wall and blow-out back, it ensures that in the event of a failure, components and process media are safely vented to the rear. Resistant to chemicals, weather, and corrosion, the LP-G Series is suitable for the chemical and petrochemical industries, oil and gas, power generation, mining, offshore/onshore facilities, and general plant construction.

- Safety pattern design: solid baffle wall, laminated safety glass, and blow-out back.
- Scale ranges from 0 ... 0.6 bar to 0 ... 2000 bar, including vacuum and compound ranges.
- Accuracy class: $\pm 0.5\%$ or $\pm 1.0\%$ of span.
- Case filling with glycerin for vibration damping (dry version optional).
- Conforms to EN 837-1, BS 1780, and ASME B40.100.
- Excellent load-cycle stability and shock resistance.

Technical drawing of the pressure gauge showing front and side views with dimensions:

- Front View Dimensions:**
 - Overall diameter: $\varnothing 152$
 - Mounting flange diameter: $\varnothing 96$
 - Mounting flange thickness: $\varnothing 6$
 - Overall height: 180
- Side View Dimensions:**
 - Mounting flange thickness: 83
 - Mounting flange diameter: 70
 - Overall height: 143
 - Internal component height: 131

