

Part No.

# LC10-GZ2H

*LC10 pressure gauge, 30,000 psi / 200 MPa, 1/4" Female High Pressure bottom connection*

The LC10 is a robust device that measures and displays pressure readings on a large, backlit screen. The LC10 has the ability to show High and Low pressure values on-screen, change between 15 different engineering units or add custom engineering units. The included PC FieldLab Desktop software can be used for calibration, testing and live viewing of pressure.



LC10-GZ2H

## Specs/Attributes

|                             |   |
|-----------------------------|---|
| Battery Count               | 2   |
| Battery Life                | 1500 Hours  |
| Battery Type                | AA Alkaline (IEC-LR6)   |
| Calibration Certificate     | Not included  |
| Certifications              | Certified to CSA Standard C22.2 No. 61010-1, Conforms to UL / IEC / EN / AS Standard No. 61010-1, Complies with Pressure Equipment Directive 2014/68/EU, Complies with Low Voltage Directive 2014/35/EU, Complies with Electromagnetic Compatibility Directive 2014/30/EU |
| Country of origin           | USA   |
| Datalogging                 | PC based (via USB)  |
| Electrical Rating           | 50 mA @ 5 VDC   |
| Harmonized Code             | 9026.20.0000  |
| Ingress Protection          | IP67 (1 meter water submersion for 30 minutes)  |
| LCD Display                 | 2.4 in / 61 mm segmented LCD Display  |
| Materials                   | ABS / Polycarbonate Blend, Powder Coated Aluminum   |
| Max Operating Temperature   | 120 °F / 50 °C  |
| Min Operating Temperature   | -4 °F / -20 °C  |
| Operating Altitude (max)    | 10,000 ft (3050 m)  |
| Panel Mount                 | No  |
| Primary Power               | Battery Power   |
| Process Connection Location | Bottom mount  |
| Protection Class            | Pollution Degree 2 (UL / IEC 61010-1)   |

## Specs/Attributes

|                          |  |
|--------------------------|--|
| Relative Humidity        | 0% to 90% (-10 to 35 °C) , 0% to 70% (35 to 50 °C)               |
| Sensor Type              | High Precision MEMS  |
| Temperature Compensation | None   |
| USB Connection           | USB (Micro B)  |
| Wetted Materials         | 316 Stainless Steel  |
| Weight                   | 12.6 oz / 355 grams  |
| Dimensions               | H: 1.75 in (4.45 cm) x W: 3.4 in (8.64 cm) x D: 3.1 in (7.87 cm) |

## Sensor A (Bottom)

|                                 |   |
|---------------------------------|---|
| Max Vacuum                      | 0.00 InHg / 0.0 kPa   |
| Max Storage Temperature         | 165 °F / 75 °C  |
| Min Storage Temperature         | -40 °F / -40 °C   |
| Burst Pressure                  | 120000 PSI / 8275 bar / 830 MPa   |
| Max Operating Temperature       | 120 °F / 50 °C  |
| Min Operating Temperature       | -4 °F / -20 °C  |
| Process Connection              | 9/16-20 Male High Pressure (1/4" HP)  |
| Wrench Size                     | 7/8 In<br>23 mm   |
| Measurement Type                | Gauge Pressure  |
| Max Pressure                    | 30000 PSI / 2070 bar / 205 MPa  |
| Wetted Materials                | 17-4 Stainless Steel  |
| Engineering Units               | atm, bar, MPa, psi, inHg @39°F, kgf / cm <sup>2</sup> , ftH <sub>2</sub> O @39°F, cmHg @ 0 °C   |
| Media Compatibility             | Air, Alcohol, Antifreeze, Ethylene Glycol, Hydraulic Oil, Inert Gas, Light motor oil, Mineral Oil, Natural Gas, Petroleum Based Oil, Ralston Calibration Oil, Skydrol, Transmission fluid, Water, Windshield washer fluid |
| Materials                       | Stainless Steel   |
| Sensor Type                     | Pressure Sensor   |
| Accuracy - Pressure Measurement | +/- 0.25% of Full Scale (ASME B40.100 Grade 3A/ISO Class 0.25)  |