

Part No.

# LC30-GP2M-VJ2M-00

LC30 panel mount dual sensor pressure gauge, 1000 psi back, -15 to 100 psi back connection, both 1/4" Male NPT

The LC30 is a robust device that measures and displays pressure readings on a large, backlit screen. It is AC powered with a battery backup. The LC30 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 logging pressure.



LC30-GP2M-VJ2M-00

## Specs/Attributes

|                           |  |
|---------------------------|--|
| Backup Power              | AAA Alkaline (IEC-LR03)  |
| Battery Count             | 2  |
| Battery Life              | 1000 Hours   |
| Calibration Certificate   | ISO 17025:2017 Accredited  |
| Certifications            | Certified to CSA Standard C22.2 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  |
| Data Logging              | 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   |
| Media Compatibility       | Inert Gas, Natural Gas, Petroleum Based Oil, Water   |
| Min Operating Temperature | -4 °F / -20 °C   |
| Operating Altitude (max)  | 10,000 ft (3050 m)   |
| Panel Mount               | Yes  |
| Power Input               | 90-264 VAC, 50-60 Hz   |
| Primary Power             | AC Mains Power   |

## Specs/Attributes

|                             |   |
|-----------------------------|---|
| Process Connection Location | Back mount  |
| Protection Class            | Pollution Degree 2 (UL / IEC 61010-1)                             |
| Relative Humidity           | 0% to 90% (-10 to 35°C) , 0% to 70% (35 to 50°C)                  |
| Temperature Compensation    | None  |
| USB Connection              | USB (Micro B)   |
| W1 Radio Installed          | No  |
| Wetted Materials            | 316 Stainless Steel   |
| Wireless                    | None  |
| Connector End 1             | 1/4" Male NPT (ASME B1.20.1)                                      |
| Weight                      | 12.6 oz / 355 grams   |
| Dimensions                  | H: 1.75 in (4.45 cm) x W: 3.4 in (8.64 cm) x D: 4.1 in (10.41 cm) |

## Sensor A (Back)

|                                 |   |
|---------------------------------|---|
| Resolution                      | 0.001 kgf/cm <sup>2</sup> , 0.001 MPa, 0.1 cmHg@0°C, 0.1 ftH <sub>2</sub> O@39°F, 0.1 inHg@32°F, 0.1 KPa, 0.1 psi, 1 inH <sub>2</sub> O@39°F, 1 mbar, 1 mmHg@0°C, 1 oz/in <sup>2</sup> , 1 Torr   |
| Sensor Type                     | Pressure Sensor   |
| Wrench Size                     | 7/8 In<br>23 mm   |
| Max Storage Temperature         | 165 °F / 75 °C  |
| Min Storage Temperature         | -40 °F / -40 °C   |
| Measurement Type                | Gauge Pressure  |
| Max Pressure                    | 1000 PSI / 70 bar / 7.00 MPa  |
| Wetted Materials                | 316 Stainless Steel   |
| Country of origin               | USA   |
| Burst Pressure                  | 4000 PSI / 275 bar / 28 MPa   |
| 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, Oxygen (If Oxygen cleaned) |
| Accuracy - Pressure Measurement | +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)  |
| Engineering Units               | atm, bar, cmH <sub>2</sub> O @4°C, cmHg @ 0°C, ftH <sub>2</sub> O @39°F, inHg @39°F, kgf / cm <sup>2</sup> , kPa, mbar, mmH <sub>2</sub> O @4°C, mmHg @0°C, MPa, oz / in <sup>2</sup> , psi, Torr   |
| Max Operating Temperature       | 120 °F / 50 °C  |
| Min Operating Temperature       | -4 °F / -20 °C  |
| Process Connection              | 1/4" Male NPT   |
| Max Vacuum                      | 0.00 InHg / 0.0 kPa   |

## Sensor B (Back)

|                                 |   |
|---------------------------------|---|
| Process Connection              | 1/4" Male NPT   |
| Engineering Units               | atm, bar, cmH2O @4°C, inH2O @39°C, kPa, mbar, psi, inHg @39°F, kgf / cm^2, mmHg @0°C, Torr, mmH2O @4°C, ftH2O @39°F, cmHg @ 0°C, oz / in^2  |
| Burst Pressure                  | 120 PSI / 8.3 bar / 830 kPa   |
| Wrench Size                     | 7/8 In<br>23 mm   |
| Wetted Materials                | 316 Stainless Steel   |
| Min Storage Temperature         | -40 °F / -40 °C   |
| Max Operating Temperature       | 120 °F / 50 °C  |
| Max Vacuum                      | 30 InHg / 101.6 kPa   |
| 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, Oxygen (If Oxygen cleaned) |
| Min Operating Temperature       | -4 °F / -20 °C  |
| Max Storage Temperature         | 165 °F / 75 °C  |
| Max Pressure                    | 30 PSI / 2 bar / 200 kPa  |
| Accuracy - Pressure Measurement | +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)  |
| Sensor Type                     | Pressure Sensor   |
| Measurement Type                | Gauge Pressure  |
| Country of origin               | USA   |