

Part No.

# LC30-GN2M-00-W1

LC30 panel mount pressure gauge, 500 psi / 35 bar / 3.5 MPa, 1/4" Male NPT back conn., Wireless radio

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-GN2M-00-W1

## Specs/Attributes

|                                 |                                                                                                                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accuracy - Pressure Measurement | +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)                                                                                                                                                         |
| Backup Power                    | AAA Alkaline (IEC-LR03)                                                                                                                                                                                              |
| Battery Count                   | 2                                                                                                                                                                                                                    |
| Battery Life                    | 1000 Hours                                                                                                                                                                                                           |
| Burst Pressure                  | 2000 PSI / 140 bar / 14 MPa                                                                                                                                                                                          |
| Calibration Certificate         | NIST traceable (included)                                                                                                                                                                                            |
| 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                                                                                                                                                                                                                  |
| Datalogging                     | PC based (via USB)                                                                                                                                                                                                   |
| Electrical Rating               | 50 mA @ 5 VDC                                                                                                                                                                                                        |
| Engineering Units               | atm, bar, cmH2O @4°C, inH2O @39°C, kPa, MPa, mbar, psi, inHg @39°F, kgf / cm^2, mmHg @0°C, Torr, mmH2O @4°C, ftH2O @39°F, cmHg @ 0°C, oz / in^2                                                                      |
| 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                                                                                                                                                                                                       |
| Max Pressure                    | 500 PSI / 35 bar / 3.50 MPa                                                                                                                                                                                          |

## Specs/Attributes

|                             |                                                                                                                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Max Storage Temperature     | 165 °F / 75 °C                                                                                                                                                                                                            |
| Measurement Type            | Gauge Pressure                                                                                                                                                                                                            |
| Media Compatibility         | Inert Gas, Natural Gas, Petroleum Based Oil, Water, Air, Alcohol, Antifreeze, Ethylene Glycol, Hydraulic Oil, Mineral Oil, Skydrol, Windshield washer fluid, Transmission fluid, Light motor oil, Ralston Calibration Oil |
| Min Operating Temperature   | -4 °F / -20 °C                                                                                                                                                                                                            |
| Min Storage Temperature     | -40 °F / -40 °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                                                                                                                                                                                                            |
| Process Connection          | 1/4" Male NPT                                                                                                                                                                                                             |
| Process Connection Location | Back mount                                                                                                                                                                                                                |
| Protection Class            | Pollution Degree 2 (UL / IEC 61010-1)                                                                                                                                                                                     |
| Radio Approvals             | FCC ID VW4A091732, IC ID 11019A-091732                                                                                                                                                                                    |
| Radio Type                  | RI Wireless (Long Range)                                                                                                                                                                                                  |
| Relative Humidity           | 0% to 90% (-10 to 35°C) , 0% to 70% (35 to 50°C)                                                                                                                                                                          |
| Sensor Type                 | Pressure Sensor                                                                                                                                                                                                           |
| Temperature Compensation    | None                                                                                                                                                                                                                      |
| USB Connection              | USB (Micro B)                                                                                                                                                                                                             |
| W1 Radio Installed          | Yes                                                                                                                                                                                                                       |
| Wetted Materials            | 316 Stainless Steel                                                                                                                                                                                                       |
| Wireless Range              | 330 ft / 100 m                                                                                                                                                                                                            |
| Wrench Size                 | 23 mm<br>7/8 In                                                                                                                                                                                                           |
| 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)                                                                                                                                                         |