

Part No.

LC30-GZ2H-TX125-B1

LC30 pressure / temperature gauge, 30000 psi back, M12 External Probe connection back, Bluetooth 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-GZ2H-TX125-B1

Specs/Attributes

| | |
|---------------------------|--|
| Backup Power | AAA Alkaline (IEC-LR03) |
| Battery Count | 2 |
| Battery Life | 1000 Hours |
| Bluetooth Radio Installed | Yes |
| 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 |
| Contains Wireless Module | Yes |
| 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 |

Specs/Attributes

| | |
|-----------------------------|---|
| 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 |
| Process Connection Location | Back mount |
| Protection Class | Pollution Degree 2 (UL / IEC 61010-1) |
| Radio Approvals | FCC ID 2AA9B04, IC ID 12208A-04, Japan ID 210-107153, Korea - Clause 3, Article 58-2 of Radio Waves Act |
| Radio Type | Bluetooth 5 LE |
| 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 | Yes |
| Wetted Materials | 316 Stainless Steel |
| Wireless | Bluetooth |
| Wireless Range | 330 ft / 100 m |
| Connector End 1 | 1/4" Male NPT (ASME B1.20.1) |
| Connector End 2 | 9/16-18 (1/4" HF4) Female High Pressure |
| 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)

| | |
|---------------------------|---------------------------------|
| Country of origin | USA |
| 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 |
| Wrench Size | 7/8 In 23 mm |
| Measurement Type | Gauge Pressure |
| Max Pressure | 30000 PSI / 2070 bar / 205 MPa |
| Wetted Materials | 17-4 Stainless Steel |

Sensor A (Back)

| | |
|---------------------------------|---|
| Engineering Units | atm, bar, cmHg @ 0°C, ftH ₂ O @39°F, inHg @39°F, kgf / cm ² , MPa, psi |
| 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 |
| Accuracy - Pressure Measurement | +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1) |
| Materials | Stainless Steel |
| Sensor Type | Pressure Sensor |
| Process Connection | 9/16-18 Female High Pressure (1/4 HP) |
| Max Vacuum | 0.00 InHg / 0.0 kPa |

Sensor B (Back)

| | |
|------------------------------------|---|
| Max Probe Temperature | 300 °F / 150 °C |
| Min Probe Temperature | -22 °F / -30 °C |
| Thermal Probe | 1/4 in / 6.35 mm diameter, 12 in / 30.5 cm long, external cable, 20 ft / 6.1 m long |
| Wetted Materials | 316 Stainless Steel |
| Measurement Type | Temperature |
| Media Compatibility | Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water |
| Accuracy - Temperature Measurement | +/- (0.15 +0.002* t)°C (IEC 60751 Class A) |
| Country of origin | USA |
| Electrical Connection | M12 female, A Code, Silicone seal, IP67 |
| Temperature Units | °C, °F, K, R |