

Part No.

LC30-GN2M-TX125-00

LC30 Pressure / temperature gauge, 500 psi pressure, 1/4" Male NPT back connection, 1/4" Dia x 12" long external probe, 16ft cable

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-TX125-00

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 |
| 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 |
| 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 |
| Process Connection Location | Back mount |

Specs/Attributes

| | |
|--------------------------|-------------------------------------------------------------------|
| 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)

| | |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor Type | Pressure Sensor |
| Wrench Size | 7/8 In 23 mm |
| Measurement Type | Gauge Pressure |
| Max Pressure | 500 PSI / 35 bar / 3.50 MPa |
| Wetted Materials | 316 Stainless Steel |
| Max Storage Temperature | 165 °F / 75 °C |
| Min Storage Temperature | -40 °F / -40 °C |
| Burst Pressure | 2000 PSI / 140 bar / 14 MPa |
| Country of origin | USA |
| 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) |
| Max Operating Temperature | 120 °F / 50 °C |
| Min Operating Temperature | -4 °F / -20 °C |
| Process Connection | 1/4" Male NPT |
| 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 |

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 |

Sensor B (Back)

| | |
|------------------------------------|---------------------------------------------------------|
| 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 |