

Part No.

LC30-GP2M-TX125-00

LC30 Pressure / temperature gauge, 1000 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.



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Specs/Attributes

Accuracy - Pressure Measurement	+/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)
Accuracy - Temperature Measurement	+/- (0.15 +0.002* t)°C (IEC 60751 Class A)
Backup Power	AAA Alkaline (IEC-LR03)
Battery Count	2
Battery Life	1000 Hours
Burst Pressure	4000 PSI / 275 bar / 28 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 Connection	M12 female, A Code, Silicone seal, IP67
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	1000 PSI / 70 bar / 7.00 MPa
Max Probe Temperature	300 °F / 150 °C

Specs/Attributes

Max Storage Temperature	165 °F / 75 °C
Measurement Type	Gauge Pressure, Temperature
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 Probe Temperature	-22 °F / -30 °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)
Relative Humidity	0% to 90% (-10 to 35 °C) , 0% to 70% (35 to 50 °C)
Sensor Type	Pressure Sensor
Temperature Compensation	None
Temperature Units	°C, °F, K, R
Thermal Probe	1/4 in / 6.35 mm diameter, 12 in / 30.5 cm long, external cable, 20 ft / 6.1 m long
USB Connection	USB (Micro B)
W1 Radio Installed	No
Wetted Materials	316 Stainless Steel
Wrench Size	23 mm 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)