Ralston Instruments www.ralstoninst.com

Part No.

LC30-GF2M-TX125-00

LC30 Pressure / temperature gauge, 30 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, backlighted 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-GF2M-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
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)

Max Operating Temperature	120 ˚F / 50 ˚C
Min Operating Temperature	-4 ˚F / -20 ˚C
Process Connection	1/4" Male NPT
Burst Pressure	120 PSI / 8.3 bar / 830 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)
Accuracy - Pressure Measurement	+/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)
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
Measurement Type	Gauge Pressure
Max Pressure	30 PSI / 2 bar / 200 kPa
Wetted Materials	316 Stainless Steel
Sensor Type	Pressure Sensor
Country of origin	USA
Wrench Size	7/8 In 23 mm
Max Storage Temperature	165 ˚F / 75 ˚C
Min Storage Temperature	-40 ˚F / -40 ˚C

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

Sensor B (Back)

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