Part No.

LC30-VF2M-TX125-B1

LC30 pressure / temperature gauge, -15 to 30 psi back, 1/4" MNPT, M12 External Probe connection back, Bluetooth radio

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-VF2M-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

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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)
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)

Process Connection	1/4" Male NPT
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
Burst Pressure	120 PSI / 8.3 bar / 830 kPa
Wrench Size	7/8 In 23 mm
Wetted Materials	316 Stainless Steel
Min Storage Temperature	-40 °F / -40 °C
Max Operating Temperature	120 °F / 50 °C
Max Vacuum	30 InHg / 101.6 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)
Min Operating Temperature	-4 °F / -20 °C

Sensor A (Back)

Max Storage Temperature	165 °F / 75 °C
Max Pressure	30 PSI / 2 bar / 200 kPa
Accuracy - Pressure Measurement	+/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)
Sensor Type	Pressure Sensor
Measurement Type	Gauge Pressure
Country of origin	USA

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