Part No.

LC30-GR2M-GF2M-W1

LC30 panel mount pressure gauge, 3000 psi back, 30 psi back connection, both 1/4" MNPT, Wireless 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-GR2M-GF2M-W1

Specs/Attributes

Backup Power	AAA Alkaline (IEC-LR03)
Battery Count	2
Battery Life	1000 Hours
Burst Pressure	4000 PSI / 275 bar / 28 MPa
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
Max Pressure	3000 PSI / 200 bar / 20 MPa
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)

Specs/Attributes

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 VW4A091732, IC ID 11019A-091732
Radio Type	RI Wireless (Long Range)
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 Range	500 ft / 155 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)

Max Operating Temperature	120 °F / 50 °C
Min Operating Temperature	-4 °F / -20 °C
Process Connection	1/4" Male NPT
Sensor Type	Pressure Sensor
Wrench Size	7/8 In 23 mm
Engineering Units	atm, bar, inH2O @39°C, kPa, MPa, psi, inHg @39°F, kgf / cm^2, Torr, ftH2O @39°F, cmHg @ 0°C, oz / in^2
Max Storage Temperature	165 °F / 75 °C
Min Storage Temperature	-40 °F / -40 °C
Measurement Type	Gauge Pressure
Max Pressure	3000 PSI / 200 bar / 20 MPa
Wetted Materials	316 Stainless Steel
Country of origin	USA
Burst Pressure	12000 PSI / 825 bar / 83 MPa
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)

Sensor A (Back)

Max Vacuum	0.00 InHg / 0.0 kPa

Sensor B (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