

Part No.

# LC30-GZ2H-GC2M-00

*LC30 panel mount pressure gauge, 30000 psi, +/-15 psi both back connections*

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

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)
Connector End 2	9/16-18 (1/4" HF4) Female High Pressure
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 Storage Temperature	165 °F / 75 °C
Min Storage Temperature	-40 °F / -40 °C
Burst Pressure	120000 PSI / 8275 bar / 830 MPa
Max Operating Temperature	120 °F / 50 °C
Min Operating Temperature	-4 °F / -20 °C
Wrench Size	7/8 In 23 mm
Measurement Type	Gauge Pressure
Max Pressure	30000 PSI / 2070 bar / 205 MPa
Wetted Materials	17-4 Stainless Steel
Engineering Units	atm, bar, MPa, psi, inHg @39°F, kgf / cm <sup>2</sup> , ftH <sub>2</sub> O @39°F, cmHg @ 0 °C
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
Accuracy - Pressure Measurement	+/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)
Materials	Stainless Steel
Sensor Type	Pressure Sensor
Process Connection	9/16-20 Female High Pressure (1/4 HP)
Max Vacuum	0.00 InHg / 0.0 kPa

## Sensor B (Back)

Max Vacuum	30 InHg / 101.6 kPa
Measurement Type	Gauge Pressure, Gauge Vacuum
Accuracy - Pressure Measurement	+/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)

## Sensor B (Back)

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)
Engineering Units	atm, bar, cmH2O @4°C, inH2O @39°C, kPa, mbar, psi, inHg @39°F, kgf / cm <sup>2</sup> , mmHg @0°C, Torr, mmH2O @4°C, ftH2O @39°F, cmHg @ 0°C, oz / in <sup>2</sup>
Wrench Size	7/8 In 23 mm
Sensor Type	Pressure Sensor
Max Storage Temperature	165 °F / 75 °C
Min Storage Temperature	-40 °F / -40 °C
Country of origin	USA
Max Pressure	15 PSI / 1 bar / 100 kPa
Wetted Materials	316 Stainless Steel
Max Operating Temperature	120 °F / 50 °C
Min Operating Temperature	-4 °F / -20 °C
Process Connection	1/4" Male NPT