

Part No.

# LC30-GY2H-VJ2M-00

LC30 panel mount pressure gauge, 20000 psi, -15 to 100 psi both back connections

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-GY2H-VJ2M-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
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
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



# Specs/Attributes

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)
Temperature Compensation	None
USB Connection	USB (Micro B)
W1 Radio Installed	No
Wetted Materials	316 Stainless Steel
Wireless	None
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 Operating Temperature  Min Operating Temperature  A °F / -20 °C  Wrench Size  7/8 In 23 mm  Measurement Type  Gauge Pressure  Max Pressure  20000 PSI / 1380 bar / 140 MPa  Wetted Materials  17-4 Stainless Steel  Engineering Units  atm, bar, cmHg @ 0°C, ftH2O @39°F, inHg @39°F, kgf / cm^2, MPa, psi  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  Max Storage Temperature  Min Storage Temperature  Alcohor Pressure Sensor  Sensor Type  Pressure Sensor  Materials  Stainless Steel  Process Connection  9/16-18 Female High Pressure (1/"4 HP)  Accuracy - Pressure Measurement  */- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)		
Temperature  Min Operating Temperature  A °F / -20 °C  Temperature  T/8 In 23 mm  Measurement Type  Gauge Pressure  Max Pressure  20000 PSI / 1380 bar / 140 MPa  Wetted Materials  T/4 Stainless Steel  Engineering Units  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  Max Storage Temperature  Min Storage Temperature  Air O °F / -40 °C  Temperature  Min Storage Temperature  Pressure Sensor  Materials  Stainless Steel  Process Connection  9/16-18 Female High Pressure (1/"4 HP)  Accuracy - Pressure Measurement  Accuracy - Pressure Measurement	Burst Pressure	80000 PSI / 5515 bar / 550 MPa
Temperature  Wrench Size  7/8 In 23 mm  Measurement Type  Gauge Pressure  20000 PSI / 1380 bar / 140 MPa  Wetted Materials  17-4 Stainless Steel  Engineering Units  Air, bar, cmHg @ 0°C, ftH20 @39°F, inHg @39°F, kgf / cm^2, MPa, psi  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  Max Storage Temperature  Min Storage Temperature  Sensor Type  Pressure Sensor  Materials  Stainless Steel  Process Connection  9/16-18 Female High Pressure (1/"4 HP)  Accuracy - Pressure Measurement  Accuracy - Pressure Measurement	Max Operating Temperature	120 °F / 50 °C
Measurement Type Gauge Pressure  Max Pressure 20000 PSI / 1380 bar / 140 MPa  Wetted Materials 17-4 Stainless Steel  Engineering Units atm, bar, cmHg @ 0°C, ftH2O @39°F, inHg @39°F, kgf / cm^2, MPa, psi  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  Max Storage Temperature  Min Storage Temperature  Sensor Type Pressure Sensor  Materials Stainless Steel  Process Connection 9/16-18 Female High Pressure (1/"4 HP)  Accuracy - Pressure Measurement  +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)	Min Operating Temperature	-4 °F / -20 °C
Max Pressure  20000 PSI / 1380 bar / 140 MPa  Wetted Materials  17-4 Stainless Steel  Engineering Units  atm, bar, cmHg @ 0°C, ftH2O @39°F, inHg @39°F, kgf / cm^2, MPa, psi  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  Max Storage Temperature  Min Storage Temperature  Sensor Type  Pressure Sensor  Materials  Stainless Steel  Process Connection  9/16-18 Female High Pressure (1/"4 HP)  Accuracy - Pressure Measurement  Accuracy - Pressure Measurement	Wrench Size	
Wetted Materials  Index in the part of the process Connection  Wetted Materials  17-4 Stainless Steel  18-4 Stainless Steel  18-5 °F / 75 °C  18-5 °F / 75 °C  18-6 °F / 75 °C  18-7 °C	Measurement Type	Gauge Pressure
Engineering Units  atm, bar, cmHg @ 0°C, ftH2O @39°F, inHg @39°F, kgf / cm^2, MPa, psi  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  Max Storage Temperature  Min Storage Temperature  Pressure Sensor  Materials  Stainless Steel  Process Connection  9/16-18 Female High Pressure (1/"4 HP)  +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)	Max Pressure	20000 PSI / 1380 bar / 140 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  Max Storage Temperature  Min Storage Temperature  Pressure Sensor  Peressure Sensor  Materials  Stainless Steel  Process Connection  9/16-18 Female High Pressure (1/"4 HP)  Accuracy - Pressure Measurement  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  Water, Windshield washer fluid  165 °F / 75 °C  Temperature  Pressure Sensor  Pressure Sensor  Materials  Stainless Steel  Process Connection  9/16-18 Female High Pressure (1/"4 HP)  +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)	Wetted Materials	17-4 Stainless Steel
Petroleum Based Oil, Ralston Calibration Oil, Skydrol, Transmission fluid, Water, Windshield washer fluid  Max Storage Temperature  Min Storage Temperature  Pressure Sensor  Pressure Sensor  Materials  Stainless Steel  Process Connection  9/16-18 Female High Pressure (1/"4 HP)  Accuracy - Pressure Measurement  Petroleum Based Oil, Ralston Calibration Oil, Skydrol, Transmission fluid, Water, Windshield washer fluid  ### Procession fluid, Water, Windshield washer fluid  ### Procession fluid, Water, Windshield washer fluid  #### Procession fluid, Water, Windshield washer fluid  #### Procession fluid, Water, Windshield washer fluid  ###################################	Engineering Units	atm, bar, cmHg @ 0°C, ftH2O @39°F, inHg @39°F, kgf / cm^2, MPa, psi
Temperature  Min Storage Temperature  Sensor Type Pressure Sensor  Materials Process Connection  9/16-18 Female High Pressure (1/"4 HP)  Accuracy - Pressure Measurement  +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)	Media Compatibility	
Temperature  Sensor Type Pressure Sensor  Materials Stainless Steel  Process Connection 9/16-18 Female High Pressure (1/"4 HP)  Accuracy - Pressure H/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)  Measurement	Max Storage Temperature	165 °F / 75 °C
Materials Stainless Steel  Process Connection 9/16-18 Female High Pressure (1/"4 HP)  Accuracy - Pressure H/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)  Measurement	Min Storage Temperature	-40 °F / -40 °C
Process Connection 9/16-18 Female High Pressure (1/"4 HP)  Accuracy - Pressure +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)  Measurement	Sensor Type	Pressure Sensor
Accuracy - Pressure +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)  Measurement	Materials	Stainless Steel
Measurement	Process Connection	9/16-18 Female High Pressure (1/"4 HP)
Max Vacuum 0.00 InHg / 0.0 kPa	Accuracy - Pressure Measurement	+/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)
	Max Vacuum	0.00 InHg / 0.0 kPa



## Sensor B (Back)

Wrench Size	23 mm 7/8 ln
Measurement Type	Gauge Pressure
Max Operating Temperature	120 °F / 50 °C
Country of origin	USA
Wetted Materials	316 Stainless Steel
Max Vacuum	30 InHg / 101.6 kPa
Process Connection	1/4" Male NPT
Min Storage Temperature	-40 °F / -40 °C
Max Storage Temperature	165 °F / 75 °C
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
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)
Max Pressure	100 PSI / 7 bar / 700 kPa
Burst Pressure	400 PSI / 28 bar / 2.80 MPa
Min Operating Temperature	-4 °F / -20 °C
Sensor Type	Pressure Sensor
Accuracy - Pressure Measurement	+/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)