

Part No.

# LC20-GX2H-VJ2M-00

*LC20 pressure gauge, 15000 psi bottom, -15 to 100 psi top connection, both 1/4" Male NPT*

The LC20 is a robust device that measures and displays pressure readings on a large, backlit screen. The LC20 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 live viewing of pressure.



LC20-GX2H-VJ2M-00

## Specs/Attributes

Battery Count	2
Battery Life	1000 Hours
Battery Type	AA Alkaline (IEC-LR6)
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

## Specs/Attributes

Max Operating Temperature	120 °F / 50 °C
Max Pressure	3000 PSI / 200 bar / 20 MPa
Min Operating Temperature	-4 °F / -20 °C
Panel Mount	No
Primary Power	Battery Power
Process Connection Location	Bottom mount
Protection Class	Pollution Degree 2 (UL / IEC 61010-1)
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 (Bottom)

Process Connection	9/16-20 Female High Pressure (1/4" HP)
Sensor Type	Pressure Sensor
Max Storage Temperature	165 °F / 75 °C
Min Storage Temperature	-40 °F / -40 °C
Burst Pressure	60000 PSI / 4135 bar / 415 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	15000 PSI / 1000 bar / 100 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)
Max Vacuum	0.00 InHg / 0.0 kPa

## Sensor B (Top)

Wrench Size	23 mm 7/8 In
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 <sup>2</sup> , mmHg @0°C, Torr, mmH2O @4°C, ftH2O @39°F, cmHg @ 0°C, oz / in <sup>2</sup>
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)