

Part No.

LC20-VN2M-GC2M-00

LC20 pressure gauge, -15 to 500 psi bottom, +/-15 psi top connection, both 1/4" Male NPT

The LC20 is a robust device that measures and displays pressure readings on a large, backlighted 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-VN2M-GC2M-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
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

PHONE: 440-564-1480
TOLL FREE: 800-347-6575

ralstoninst.com

Specs/Attributes

Max Operating Temperature	120 °F / 50 °C
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
Wireless	None
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 (Bottom)

Sensor Type	Pressure Sensor
Max Vacuum	30 InHg / 101.6 kPa
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
Max Operating Temperature	120 °F / 50 °C
Wrench Size	23 mm 7/8 In
Burst Pressure	2000 PSI / 140 bar / 14 MPa
Max Storage Temperature	165 °F / 75 °C
Max Pressure	500 PSI / 35 bar / 3.50 MPa
Min Storage Temperature	-40 °F / -40 °C
Process Connection	1/4" Male NPT
Country of origin	USA
Min Operating Temperature	-4 °F / -20 °C
Measurement Type	Gauge Pressure
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)

Sensor A (Bottom)

Wetted Materials	316 Stainless Steel
Accuracy - Pressure Measurement	+/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)

Sensor B (Top)

Resolution	0.001 atm, 0.001 bar, 0.001 cmHg@0°C, 0.001 ftH2O@39°F, 0.001 inHg@32°F, 0.001 kgf/cm ² , 0.001 psi, 0.01 inH2O@39°F, 0.01 KPa, 0.01 mmHg@0°C, 0.01 oz/in ² , 0.01 Torr, 0.1 cmH2O@4°C, 0.1 mbar
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)
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, cmHg @ 0°C, ftH2O @39°F, inHg @39°F, kgf / cm ² , kPa, mbar, mmH2O @4°C, mmHg @0°C, oz / in ² , psi, Torr
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