Part No.

LC20-GP2M-GD2M-W1

LC20 pressure gauge, 1000 psi bottom, 15 psi top connection, both 1/4" MNPT, Wireless radio

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-GP2M-GD2M-W1

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

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Specs/Attributes

Max Operating Temperature	120 °F / 50 °C
Max Pressure	1000 PSI / 70 bar / 7.00 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)
Radio Approvals	FCC ID VW4A091732, IC ID 11019A-091732
Radio Type	RI Wireless (Long Range)
Temperature Compensation	None
USB Connection	USB (Micro B)
W1 Radio Installed	Yes
Wetted Materials	316 Stainless Steel
Wireless	Zigbee
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 (Bottom)

Resolution	0.001 kgf/cm^2, 0.001 MPa, 0.1 cmHg@0°C, 0.1 ftH2O@39°F, 0.1 inHg@32°F, 0.1 KPa, 0.1 psi, 1 inH2O@39°F, 1 mbar, 1 mmHg@0°C, 1 oz/in^2, 1 Torr
Sensor Type	Pressure Sensor
Wrench Size	7/8 In 23 mm
Max Storage Temperature	165 °F / 75 °C
Min Storage Temperature	-40 °F / -40 °C
Measurement Type	Gauge Pressure
Max Pressure	1000 PSI / 70 bar / 7.00 MPa
Wetted Materials	316 Stainless Steel
Country of origin	USA
Burst Pressure	4000 PSI / 275 bar / 28 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)

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Sensor A (Bottom)

Accuracy - Pressure Measurement	+/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)
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, MPa, oz / in^2, psi, Torr
Max Operating Temperature	120 °F / 50 °C
Min Operating Temperature	-4 °F / -20 °C
Process Connection	1/4" Male NPT
Max Vacuum	0.00 InHg / 0.0 kPa

Sensor B (Top)

Burst Pressure	60 PSI / 4.1 bar / 410 kPa
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)
Measurement Type	Gauge Pressure
Max Pressure	15 PSI / 1 bar / 100 kPa
Wetted Materials	316 Stainless Steel
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
Sensor Type	Pressure Sensor
Wrench Size	7/8 In 23 mm
Country of origin	USA
Max Storage Temperature	165 °F / 75 °C
Min Storage Temperature	-40 °F / -40 °C
Max Operating Temperature	120 °F / 50 °C
Min Operating Temperature	-4 °F / -20 °C
Process Connection	1/4" Male NPT
Max Vacuum	0.00 InHg / 0.0 kPa