Part No.

LC20-GY2H-VF2M-B1

LC20 pressure gauge, 20000 psi bottom, -15 to 30 psi top connection, Bluetooth 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-GY2H-VF2M-B1

Specs/Attributes

Battery Count	2
Battery Life	1000 Hours
Battery Type	AA Alkaline (IEC-LR6)
Bluetooth Radio Installed	Yes
Burst Pressure	400 PSI / 28 bar / 2.80 MPa
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
Contains Wireless Module	Yes
Country of origin	USA
Data Logging	PC based (via USB)

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Specs/Attributes

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
Max Pressure	100 PSI / 7 bar / 700 kPa
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 2AA9B04, IC ID 12208A-04, Japan ID 210-107153, Korea - Clause 3, Article 58-2 of Radio Waves Act
Radio Type	Bluetooth 5 LE
Temperature Compensation	None
USB Connection	USB (Micro B)
W1 Radio Installed	No
Wetted Materials	316 Stainless Steel
Wireless	Bluetooth
Wireless Range	330 ft / 100 m
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)

Burst Pressure	80000 PSI / 5515 bar / 550 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	20000 PSI / 1380 bar / 140 MPa
Wetted Materials	17-4 Stainless Steel

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Sensor A (Bottom)

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	165 °F / 75 °C
Min Storage Temperature	-40 °F / -40 °C
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)
Max Vacuum	0.00 InHg / 0.0 kPa
Country of origin	USA

Sensor B (Top)

Process Connection	1/4" Male NPT
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
Burst Pressure	120 PSI / 8.3 bar / 830 kPa
Wrench Size	7/8 In 23 mm
Wetted Materials	316 Stainless Steel
Min Storage Temperature	-40 °F / -40 °C
Max Operating Temperature	120 °F / 50 °C
Max Vacuum	30 InHg / 101.6 kPa
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)
Min Operating Temperature	-4 °F / -20 °C
Max Storage Temperature	165 °F / 75 °C
Max Pressure	30 PSI / 2 bar / 200 kPa
Accuracy - Pressure Measurement	+/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)
Sensor Type	Pressure Sensor
Measurement Type	Gauge Pressure
Country of origin	USA