

Part No.

LC20-VL2M-VF2M-B1

LC20 pressure gauge, -15 to 300 psi bottom, -15 to 30 psi top connection, both 1/4" MNPT, Bluetooth radio

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-VL2M-VF2M-B1

Specs/Attributes

| | |
|---------------------------|--|
| Battery Count | 2 |
| Battery Life | 1000 Hours |
| Battery Type | AA Alkaline (IEC-LR6) |
| Bluetooth Radio Installed | Yes |
| Burst Pressure | 1200 PSI / 83 bar / 8.30 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 |
| Datalogging | PC based (via USB) |
| Electrical Rating | 50 mA @ 5 VDC |

Specs/Attributes

| | |
|---------------------------|---|
| 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 | 300 PSI / 20 bar / 2.00 MPa |
| Min Operating Temperature | -4 °F / -20 °C |
| Panel Mount | No |
| Primary Power | Battery Power |
| Protection Class | Pollution Degree 2 (UL / IEC 61010-1) |
| Radio Approvals | FCC ID 2AA9B04, IC ID 12208A-04, Japan ID 210-107153 |
| Radio Type | Bluetooth 5 LE |
| Temperature Compensation | None |
| USB Connection | USB (Micro B) |
| W1 Radio Installed | No |
| Wetted Materials | 316 Stainless Steel |
| Wireless Range | 330 ft / 100 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)

| | |
|---------------------------------|---|
| Wrench Size | 23 mm 7/8 In |
| Process Connection | 1/4" Male NPT |
| Min Operating Temperature | -4 °F / -20 °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, Oxygen (If Oxygen cleaned) |
| Sensor Type | Pressure Sensor |
| Accuracy - Pressure Measurement | +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1) |
| Wetted Materials | 316 Stainless Steel |
| 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 Storage Temperature | 165 °F / 75 °C |
| Max Pressure | 300 PSI / 20 bar / 2.00 MPa |
| Max Vacuum | 30 InHg / 101.6 kPa |
| Measurement Type | Gauge Pressure |

Sensor A (Bottom)

| | |
|---------------------------|------------------------------|
| Burst Pressure | 1200 PSI / 83 bar / 8.30 MPa |
| Max Operating Temperature | 120 °F / 50 °C |
| Country of origin | USA |
| Min Storage Temperature | -40 °F / -40 °C |

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 |