

Part No.

# LC20-VJ2M-00-00

LC20 pressure gauge, -15 to 100 psi / -100 to 700 kPa, 1/4"  
Male NPT bottom connection

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-VJ2M-00-00

## Specs/Attributes

|                             |  |
|-----------------------------|--|
| Battery Count               | 2  |
| Battery Life                | 1000 Hours   |
| Battery Type                | AA Alkaline (IEC-LR6)  |
| Bluetooth Radio Installed   | No   |
| 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  |
| 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   |

## Specs/Attributes

|                          |   |
|--------------------------|---|
| 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)

|                                 |   |
|---------------------------------|---|
| Wrench Size                     | 23 mm<br>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)  |