

Part No.

# LC20-GP2M-GC2M-00

LC20 pressure gauge, 1000 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-GP2M-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                                                                                                                                                                    |

## Specs/Attributes

|                             |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| Max Operating Temperature   | 120 °F / 50 °C                                                    |
| Max Pressure                | 3000 PSI / 200 bar / 20 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)                             |
| 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)

|                                 |                                                                                                                                                                                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resolution                      | 0.001 kgf/cm <sup>2</sup> , 0.001 MPa, 0.1 cmHg@0°C, 0.1 ftH <sub>2</sub> O@39°F, 0.1 inHg@32°F, 0.1 KPa, 0.1 psi, 1 inH <sub>2</sub> O@39°F, 1 mbar, 1 mmHg@0°C, 1 oz/in <sup>2</sup> , 1 Torr                                                       |
| Sensor Type                     | Pressure Sensor                                                                                                                                                                                                                                       |
| Wrench Size                     | 7/8 In<br>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) |
| Accuracy - Pressure Measurement | +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)                                                                                                                                                                                          |
| Engineering Units               | atm, bar, cmH <sub>2</sub> O @4°C, cmHg @ 0°C, ftH <sub>2</sub> O @39°F, inHg @39°F, kgf / cm <sup>2</sup> , kPa, mbar, mmH <sub>2</sub> O @4°C, mmHg @0°C, MPa, oz / in <sup>2</sup> , psi, Torr                                                     |

### Sensor A (Bottom)

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

|                                 |                                                                                                                                                                                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <sup>2</sup> , 0.001 psi, 0.01 inH2O@39°F, 0.01 KPa, 0.01 mmHg@0°C, 0.01 oz/in <sup>2</sup> , 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 <sup>2</sup> , kPa, mbar, mmH2O @4°C, mmHg @0°C, oz / in <sup>2</sup> , psi, Torr                                                                                                 |
| Wrench Size                     | 7/8 In<br>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                                                                                                                                                                                                                                         |