

Part No.

# LC20-VJ2M-TX125-00

LC20 Pressure/temp. gauge, -15 to 100psi bottom, 1/4" MNPT, 1/4" Dia x 12" long thermal probe, 5m cable

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-VJ2M-TX125-00

## 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                                                                                                                                                                                                                  |
| 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)                                                                                                                                                                       |

## Specs/Attributes

|                             |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| 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                                                      |
| 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^2, mmHg @0°C, Torr, mmH2O @4°C, ftH2O @39°F, cmHg @ 0°C, oz / in^2                                                                                                       |
| 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                                                                                                                                                                                                                           |

### Sensor A (Bottom)

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

### Sensor B (Top)

|                                    |                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------|
| Max Probe Temperature              | 300 °F / 150 °C                                                                     |
| Min Probe Temperature              | -22 °F / -30 °C                                                                     |
| Thermal Probe                      | 1/4 in / 6.35 mm diameter, 12 in / 30.5 cm long, external cable, 20 ft / 6.1 m long |
| Wetted Materials                   | 316 Stainless Steel                                                                 |
| Measurement Type                   | Temperature                                                                         |
| Media Compatibility                | Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water                             |
| Accuracy - Temperature Measurement | +/- (0.15 +0.002* t ) °C (IEC 60751 Class A)                                        |
| Country of origin                  | USA                                                                                 |
| Electrical Connection              | M12 female, A Code, Silicone seal, IP67                                             |
| Temperature Units                  | °C, °F, K, R                                                                        |