

Part No.

# LC20-TA12-00-B1

*LC20 Field Gauge temperature probe, 1/4 in diameter, 12 in long, bottom mounted, Bluetooth radio*

The LC20 is a robust device that measures and displays temperature readings on a large, backlit screen. The LC20 has the ability to show High and Low temperature values on-screen, change between 4 different engineering units. Connect to FieldLab Mobile iOS and Android application on a phone or tablet to monitor or log temperature.



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## Specs/Attributes

|                           |                                                                                                                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery Count             | 2                                                                                                                                                                                                                    |
| Battery Life              | 1000 Hours                                                                                                                                                                                                           |
| Battery Type              | AA Alkaline (IEC-LR6)                                                                                                                                                                                                |
| Bluetooth Radio Installed | Yes                                                                                                                                                                                                                  |
| 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              | 870 Readings (onboard)                                                                                                                                                                                               |

## 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                                                                                          |
| 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, Korea - Clause 3, Article 58-2 of Radio Waves Act |
| Radio Type                | Bluetooth 5 LE                                                                                          |
| Temperature Compensation  | None                                                                                                    |
| USB Connection            | USB (Micro B)                                                                                           |
| Wetted Materials          | 316 Stainless Steel                                                                                     |
| Wireless                  | Bluetooth                                                                                               |
| Wireless Range            | 330 ft / 100 m                                                                                          |
| Weight                    | 12.4 oz / 350 grams                                                                                     |
| Dimensions                | H: 1.75 in (4.45 cm) x W: 3.4 in (8.64 cm) x D: 14.1 in (35.81 cm)                                      |

## Sensor A (Bottom)

|                                    |                                                                                                                                                                                                                           |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Thermal Probe                      | 1/4 in / 6.35 mm diameter, 12 in / 30.5 cm long, bottom mount                                                                                                                                                             |
| Wetted Materials                   | 316 Stainless Steel                                                                                                                                                                                                       |
| Measurement Type                   | Temperature                                                                                                                                                                                                               |
| Media Compatibility                | Air, Alcohol, Antifreeze, Ethylene Glycol, Hydraulic Oil, Inert Gas, Mineral Oil, Natural Gas, Petroleum Based Oil, Skydrol, Windshield washer fluid, Transmission fluid, Light motor oil, Ralston Calibration Oil, Water |
| Accuracy - Temperature Measurement | +/- (0.15 + 0.002* t )°C (IEC 60751 Class A)                                                                                                                                                                              |
| Country of origin                  | USA                                                                                                                                                                                                                       |
| Temperature Units                  | °C, °F, K, R                                                                                                                                                                                                              |
| Max Probe Temperature              | 300 °F / 150 °C                                                                                                                                                                                                           |
| Min Probe Temperature              | -22 °F / -30 °C                                                                                                                                                                                                           |