# **Ralston Instruments**

Part No.

### LC30-GB2M-TX125-00

LC30 Pressure / temperature gauge, 5 psi pressure, 1/4" Male NPT back connection, 1/4" Dia x 12" long external probe, 16ft cable

The LC30 is a robust device that measures and displays pressure readings on a large, backlighted screen. It is AC powered with a battery backup. The LC30 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 logging pressure.



LC30-GB2M-TX125-00

#### **Specs/Attributes**

| Backup Power                   | AAA Alkaline (IEC-LR03)  |
|--------------------------------|--|
| Battery Count                  | 2  |
| Battery Life                   | 1000 Hours   |
| Calibration Certificate        | NIST traceable (included)  |
| 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<br>Temperature   | 120 °F / 50 °C   |
| Media Compatibility            | Inert Gas, Natural Gas, Petroleum Based Oil, Water   |
| Min Operating<br>Temperature   | -4 °F / -20 °C   |
| Operating Altitude<br>(max)    | 10,000 ft (3050 m)   |
| Panel Mount                    | Yes  |
| Power Input                    | 90-264 VAC, 50-60 Hz   |
| Primary Power                  | AC Mains Power   |
| Process Connection<br>Location | Back mount   |

## **Ralston Instruments**

#### **Specs/Attributes**

| Protection Class            | Pollution Degree 2 (UL / IEC 61010-1)   |
|-----------------------------|---|
| Relative Humidity           | $0\%$ to $90\%$ (-10 to $35^{\circ}$ C) , $0\%$ to $70\%$ ( $35$ to $50^{\circ}$ C) |
| Temperature<br>Compensation | None  |
| USB Connection              | USB (Micro B)   |
| W1 Radio Installed          | No  |
| Wetted Materials            | 316 Stainless Steel   |
| 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 (Back)

| 7/8 ln<br>23 mm   |
|---|
| 20 PSI / 1.4 bar / 140 kPa  |
| Gauge Pressure  |
| Pressure Sensor   |
| atm, bar, cmH2O @4°C, inH2O @39°C, kPa, mbar, psi, inHg @39°F, kgf / cm^2, mmHg @0°C, Torr, Pa, mmH2O @4°C, ftH2O @39°F, cmHg @ 0°C, oz / in^2  |
| 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 |
| +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)  |
| 120 °F / 50 °C  |
| -4 °F / -20 °C  |
| 1/4" Male NPT   |
| USA   |
| 5 PSI / 34 mbar / 30 kPa  |
| 316 Stainless Steel   |
|   |

### Sensor B (Back)

| 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<br>Measurement | +/- (0.15 +0.002* t )°C (IEC 60751 Class A)   |
| Country of origin                     | USA   |
| Electrical Connection                 | M12 female, A Code, Silicone seal, IP67   |
|                                       |   |





### Sensor B (Back)

Temperature Units

 $^{\circ}$ C,  $^{\circ}$ F, K, R