

Part No.

# LC30-GA2M-TX125-00

*LC30 vacuum/temperature gauge, 30inHg vacuum back, 1/4" Male NP*

The LC30 is a robust device that measures and display



LC30-GA2M-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 Temperature   | 120 °F / 50 °C                                                                                                                                                                                                       |
| Media Compatibility         | Inert Gas, Natural Gas, Petroleum Based Oil, Water                                                                                                                                                                   |
| Min Operating Temperature   | -4 °F / -20 °C                                                                                                                                                                                                       |
| Operating Altitude (max)    | 10,000 ft (3050 m)                                                                                                                                                                                                   |
| Panel Mount                 | Yes                                                                                                                                                                                                                  |
| Power Input                 | 90-264 VAC, 50-60 Hz                                                                                                                                                                                                 |
| Primary Power               | AC Mains Power                                                                                                                                                                                                       |
| Process Connection Location | Back mount                                                                                                                                                                                                           |

## Specs/Attributes

|                          |                                                                   |
|--------------------------|-------------------------------------------------------------------|
| Protection Class         | Pollution Degree 2 (UL / IEC 61010-1)                             |
| Relative Humidity        | 0% to 90% (-10 to 35 °C) , 0% to 70% (35 to 50 °C)                |
| Temperature 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)

|                                 |                                                                                                                                                                                                                           |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Units               | atm, bar, cmH2O @4°C, inH2O @39°C, kPa, mbar, psi, inHg @39°F, kgf / cm <sup>2</sup> , mmHg @0°C, mmH2O @4°C, ftH2O @39°F, cmHg @ 0°C, oz / in <sup>2</sup>                                                               |
| Measurement Type                | Gauge Vacuum                                                                                                                                                                                                              |
| Sensor Type                     | Pressure Sensor                                                                                                                                                                                                           |
| Max Storage Temperature         | 165 °F / 75 °C                                                                                                                                                                                                            |
| Min Operating Temperature       | -4 °F / -20 °C                                                                                                                                                                                                            |
| Min Storage Temperature         | -40 °F / -40 °C                                                                                                                                                                                                           |
| Max Vacuum                      | -30.00 InHg / -101.6 kPa                                                                                                                                                                                                  |
| Country of origin               | USA                                                                                                                                                                                                                       |
| Burst Pressure                  | 20 PSI / 1.4 bar / 140 kPa                                                                                                                                                                                                |
| Wrench Size                     | 7/8 In<br>23 mm                                                                                                                                                                                                           |
| 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 - Pressure Measurement | +/- 0.1% of Full Scale (ASME B40.100 Grade 4A/ISO Class 0.1)                                                                                                                                                              |
| Wetted Materials                | 316 Stainless Steel                                                                                                                                                                                                       |
| Max Operating Temperature       | 120 °F / 50 °C                                                                                                                                                                                                            |
| Process Connection              | 1/4" Male NPT                                                                                                                                                                                                             |

## 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                             |



## Sensor B (Back)

|                                    |                                                       |
|------------------------------------|-------------------------------------------------------|
| Accuracy - Temperature Measurement | $\pm (0.15 + 0.002 \cdot  t )$ °C (IEC 60751 Class A) |
| Country of origin                  | USA                                                   |
| Electrical Connection              | M12 female, A Code, Silicone seal, IP67               |
| Temperature Units                  | °C, °F, K, R                                          |