

InTemp[®] CX402-Txxx Data Logger

InTemp Bluetooth Low Energy Temperature (with Glycol) Data Logger (CX402-Txxx)

InTemp[®] CX402-TXXX (with Glycol Bottle) data loggers monitor temperatures in refrigerators, freezers and other temperature-controlled environments to comply with global GDP requirements. The loggers communicate wirelessly via Bluetooth Low Energy to mobile devices. Using the InTemp app, you can easily view data, check logger status, set alarms, and create and share secure PDF reports for streamlined reporting and regulatory compliance. All loggers feature a built-in LCD display to view current and daily min and max temperatures, advanced audible and visual alarm capabilities for notification of temperature excursions, an internal sensor for ambient temperature monitoring, and a single-point NIST Certification of Calibration for both the logger body and probe.

With the optional CX Gateway, you can get remote notifications of temperature excursions and automatically download data from loggers within range of the device. Learn more about the CX Gateway here.

Models are available with a 2- or 4-meter external temperature probe attached to a Glycol bottle used to insulate the probe and delay thermal response times.

Supported Measurements:

Temperature



InTemp CX402-Txxx Data Logger Specifications

Logger

| | |
|----------------------------------|---|
| Radio Power | 1 mW (0 dBm) |
| Transmission Range | Approximately 30.5 m (100 ft) line-of-sight |
| Wireless Data Standard | Bluetooth Low Energy (Bluetooth Smart) |
| Logger Operating Range | -30° to 70°C (-22° to 158°F), 0 to 95% RH (non-condensing) |
| Logging Rate | 1 second to 18 hours |
| Time Accuracy | ±1 minute per month at 25°C (77°F) |
| Battery Type | Two AAA 1.5 V alkaline or lithium batteries, user replaceable |
| Battery Life | 1 year, typical with logging interval of 1 minute. Faster logging intervals, remaining connected with the InTemp app, excessive report generation, numerous audible alarms, and paging all impact battery life. |
| Memory | 128 KB (84,650 measurements, maximum) |
| Full Memory Download Time | Approximately 60 seconds; may take longer the farther the device is from the logger |
| LCD | LCD is visible from 0° to 50°C (32° to 122°F); the LCD may react slowly or go blank in temperatures outside this range |
| Dimensions | 9.4 x 4.5 x 2.59 cm (3.7 x 1.77 x 1.02 inches) |
| Weight | 90.2 g (3.18 oz) |
| Environmental Rating | IP54 |
| CE | The CE Marking identifies this product as complying with all relevant directives in the European Union (EU). |

External Temperature Probe

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|-------------------------|---|
| Range | -40° to 100°C (-40° to 212°F) |
| Accuracy | ±0.5°C from -15° to 80°C (±0.9°F from 5° to 176°F) ±1.0°C from -40° to -15°C (±1.8°F from -40° to 5°F) ±0.7°C from 80° to 100°C (±1.3°F from 176° to 212°F) |
| Resolution | 0.024°C at 25°C (0.04°F at 77°F) |
| Drift | <0.1°C (0.18°F) per year |
| Response Time | With 5 mL bottle: 10 minutes typical to 90% in air moving 1 m/s With 15 mL bottle: 20 minutes typical to 90% in air moving 1 m/s With 30 mL bottle: 25 minutes typical to 90% in air moving 1 m/s |
| Cable Length | 2 or 4 meter (6.56 or 13.12 feet) flat ribbon cable |
| NIST Calibration | Single-point NIST calibration, probe and logger body |
| Probe Dimensions | Food-grade stainless steel probe with pointed tip, 53.34 mm (2.1 inches) long, 3.18 mm (0.125 inches) diameter |

Ambient Temperature Sensor

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|----------------------|---|
| Range | -30° to 70°C (-22° to 158°F) |
| Accuracy | ±0.5°C from -15° to 70°C (±0.9°F from 5° to 158°F) ±1.0°C from -30° to -15°C (±1.8°F from -22° to 5°F) |
| Resolution | 0.024°C at 25°C (0.04°F at 77°F) |
| Drift | <0.1°C (0.18°F) per year |
| Response Time | 15 minutes typical to 90% in air moving 1 m/s |

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- ▶ Email sales@onsetcomp.com
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-800-564-4377
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Technical Support (8am to 8pm ET, Monday through Friday)

- ▶ Contact Product Support www.onsetcomp.com/support/contact
- ▶ Call 1-508-759-9500
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