



## InTemp Temperature Storage Monitoring with Probe in Glycol

### Multi-use Bluetooth digital data logger with LCD and probe in glycol bottle

GDP/GMP compliant temperature data logger ideal for Healthcare and Life Science/Pharmaceutical storage monitoring. Ideal applications: General pharmaceutical and vaccine storage, refrigerator, freezer, chamber, and cold room storage monitoring. Meets global Cold Chain, FDA, and EU regulatory requirements.

#### Important Information

Remote monitoring, process automation, and alarm notifications require the CX5001 Gateway. Gateway and mobile devices must be within 100ft (30.5m) Bluetooth range for data transmission.

## Supported Measurements

Temperature

## Features

- Integrates with mobile and cloud platforms for a 21 CFR Part 11 compliant solution
- Easy-to-read display with current and daily min/max temperatures
- Bluetooth transmission of data and alarm states
- Logger setup and download of data in seconds – without a PC or cable
- Real-time alerts and automatic data downloads with optional CX Gateway device
- +/- 0.5C accuracy for reliable temperature readings
- Battery-powered to guard against local power loss
- Several Glycol bottle/probe-only options available
- Includes 1-year NIST calibration, per USP guidelines

Who is this for? The InTemp CX402-Txxx data logger (with probe in glycol) is right for you if:

- You work for an organization that's required to primarily follow GDP/GMP, FDA, USP, and/or EU/CE guidelines for monitoring ambient to frozen temperatures
- Your organization is a pharmaceutical manufacturer, third-party logistics company, Life Science/Biotech storage and transportation company, or other organization looking to monitor temperature-sensitive goods
- You need a 1-Year NIST-certified data logger (probe and ambient temperature sensor), as recommended by the previously mentioned regulatory bodies

Required to follow GDP & GMP requirements, specifically:

- Probe in glycol
- GDP/GMP compliant
- Frozen to ambient monitoring

## Contact Us

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

- 1-508-743-3309 (US & International)
- +45 6154 5745 (EMEA)

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

- Email [InTempHelp@onsetcomp.com](mailto:InTempHelp@onsetcomp.com)
- Contact Support online [www.onsetcomp.com/intemp/contact/support](http://www.onsetcomp.com/intemp/contact/support)

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# InTemp Temperature Storage Monitoring with Probe in Glycol (CX402-Txxx) Specifications

## External Temperature Probe

|                         |  |
|-------------------------|--|
| <b>Accuracy</b>         | ±1.0°C from -40° to -25°C (±1.8°F from -40° to -13°F)<br>±0.5°C from -25° to 80°C (±0.9°F from -13° to 176°F)<br>±1.0°C from 80° to 100°C (±1.8°F from 176° to 212°F)            |
| <b>Resolution</b>       | 0.024°C at 25°C (0.04°F at 77°F)   |
| <b>Operating Range</b>  | -40° to 100°C (-40° to 212°F)  |
| <b>NIST Calibration</b> | CX40x-Txx and CX402-BxM: Single point NIST calibration, probe and logger body<br>CX40x-VFCxxx: Single point NIST calibration, probe only<br>CX403: Single point NIST calibration |
| <b>Cable Length</b>     | 2 or 4 meter (6.56 or 13.12 feet) flat ribbon cable  |
| <b>Probe Dimensions</b> | Food-grade stainless steel probe with pointed tip, 53.34 mm (2.1 inches) long, 3.18 mm (0.125 inches) diameter   |

## Temperature Sensor

|                   |   |
|-------------------|---|
| <b>Range</b>      | -30° to 70°C (-22° to 158°F)  |
| <b>Accuracy</b>   | ±0.5°C from -15° to 70°C (±0.9°F from 5° to 158°F)<br>±1.0°C from -30° to -15°C (±1.8°F from -22° to 5°F) |
| <b>Resolution</b> | 0.024°C at 25°C (0.04°F at 77°F)  |

## Logger

|                                  |   |
|----------------------------------|---|
| <b>Radio Power</b>               | 1 mW (0 dBm)  |
| <b>Transmission Range</b>        | Approximately 30.5 m (100 ft) line-of-sight   |
| <b>Wireless Data Standard</b>    | Bluetooth Low Energy (Bluetooth Smart)  |
| <b>Logger Operating Range</b>    | -30° to 70°C, 0 to 95% RH (non-condensing) (-22° to 158°F, 0 to 95% RH (non-condensing))  |
| <b>Logging Rate</b>              | 1 second to 18 hours  |
| <b>Battery Type</b>              | Two AAA batteries, user replaceable   |
| <b>Battery Life</b>              | 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. |
| <b>Memory</b>                    | 128 KB (84,650 measurements, maximum)   |
| <b>Full Memory Download Time</b> | Approximately 60 seconds; may take longer the farther the device is from the logger   |
| <b>LCD</b>                       | 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  |
| <b>Dimensions</b>                | 9.4 x 4.5 x 2.59 cm (3.7 x 1.77 x 1.02 inches)  |
| <b>Weight</b>                    | 90.2 g (3.18 oz)  |
| <b>Environmental Rating</b>      | IP54  |

## Notices

Passed RTCA DO160G, part 21H

