

## InTemp<sup>®</sup> CX502 Data Logger

### InTemp Bluetooth Low Energy 90 Day Single-Use Temperature Data Logger (CX502)

The InTemp CX502 Bluetooth<sup>®</sup> Low Energy data logger is a single-use logger that records temperature data for up to 90 days. Designed for Cold Chain, CRT, and Frozen shipments, the CX502 is ideal for sea container, long haul, and parcel shipments.

Using the InTemp app on your mobile device, you can easily configure the CX502 with one of multiple preset configurations, or set up a custom configuration. The logger has a built-in alarm to alert you to excursions. And logger reports can be quickly downloaded to your phone or tablet and uploaded to an InTempConnect<sup>®</sup> account, where you can analyze and export data as needed.

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](#).

A 3-Point Certificate of Calibration, valid for one year from date of purchase, provides assurance that the data can be trusted when making important product-disposition decisions.

#### Supported Measurements:

Temperature



## InTemp CX502 Data Logger Specifications

### Logger

|                                  |   |
|----------------------------------|---|
| <b>Logger Operating Range</b>    | -30° to 70°C (-22° to 158°F)  |
| <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>Logging Rate</b>              | 1 second to 18 hours  |
| <b>Time Accuracy</b>             | ±1 minute per month at 25°C (77°F)  |
| <b>Battery</b>                   | CR2032 (CX501) or CR2450 (CX502 and CX503) 3V lithium, not replaceable. Battery for CX501 and CX502 lasts for duration specified when logger is used within the 1-year shelf life. Battery life for the CX503 model is 1 year, typical with logging interval of 1 minute. Faster logging intervals, remaining connected with the InTemp app, excessive downloads, and paging may impact battery life. |
| <b>Type</b>                      | Single Use  |
| <b>Duration</b>                  | 90 Days   |
| <b>Shelf Life</b>                | Up to 1 year  |
| <b>Memory</b>                    | 14,000 measurements   |
| <b>Full Memory Download Time</b> | Approximately 30 seconds; may take longer the farther the device is from the logger   |
| <b>Dimensions</b>                | 6.9 x 4.5 x 1.1 cm (2.71 x 1.76 x 0.42 inches)  |
| <b>Weight</b>                    | 25.5 g (0.90 oz)  |
| <b>Environmental Rating</b>      | IP67  |
| <b>CE</b>                        | The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).  |

### Temperature Sensor

|                      |  |
|----------------------|--|
| <b>Sensor Range</b>  | -30° to 70°C (-22° to 158°F)   |
| <b>Accuracy</b>      | ±1.0°C from -30° to -5°C (±1.8°F from -22° to 23°F)<br>±0.5°C from -5° to 50°C (±0.9°F from 23° to 122°F)<br>±1.0°C from 50° to 70°C (±1.8°F from 122° to 158°F) |
| <b>Resolution</b>    | 0.04°C (0.072°F)   |
| <b>Drift</b>         | <0.01°C (0.018°F) per year   |
| <b>Response Time</b> | 6 minutes typical to 90% in open air moving 1 m/s, unmounted   |

## Contact Us

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

- ▶ Email [sales@onsetcomp.com](mailto: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](http://www.onsetcomp.com/support/contact)
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