

CX501

InTemp Bluetooth Low Energy 15 Day Single-Use Temperature Data Logger

Discontinued

The InTemp CX501 Bluetooth® Low Energy data logger is a single-use logger that records temperature data for up to 15 days. Designed for Cold Chain and CRT shipments, the CX501 is ideal for parcel shipments, clinical trials, and expedited risk pharmaceutical shipments.

Using the InTemp app on your mobile device, you can easily configure the CX501 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® 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.



Compatible with
InTemp Mobile App

Supported Measurements

Temperature

Features

- Integrates with mobile and cloud platforms for a 21CFR Part 11 compliant solution
- Enables fast, remote data transfer; ideal for clinical logistics
- Eliminates need to open sealed containers to retrieve data
- Real-time alerts and automatic data downloads with optional CX Gateway device
- Shortens logger-handling times; no PC or cables required
- Ensures secure data via encrypted technology
- Meets GDP requirements for NIST traceable calibration

Contact Us

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

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- +45 6154 5745 (EMEA)

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

- Email InTempHelp@onsetcomp.com
- Contact Support online www.onsetcomp.com/intemp/contact/support

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InTemp Bluetooth Low Energy 15 Day Single-Use Temperature Data Logger (CX501) Specifications

Logger

Logger Operating Range	-10° to 70°C (-14° to 158°F)
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)
Logging Rate	1 second to 18 hours
Battery	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.
Type	Single Use
Duration	15 Days
Shelf Life	Up to 1 year
Memory	8,800 measurements
Full Memory Download Time	Approximately 30 seconds; may take longer the farther the device is from the logger
Dimensions	6.9 x 4.5 x 1.1 cm (2.71 x 1.76 x 0.42 inches)
Weight	22.1 g (0.78 oz)
Environmental Rating	IP67

Temperature Sensor

Sensor Range	-10° to 70°C (14° to 158°F)
Accuracy	±1.0°C from -10° to -5°C (±1.8°F from 14° to 23°F) ±0.5°C from -5° to 50°C (±0.9°F from 23° to 122°F) ±1.0°C from 50° to 70°C (±1.8°F from 122° to 158°F)
Resolution	0.04°C (0.072°F)

