



# InTemp CX403 Bluetooth Ambient Temperature Data Logger (Internal Sensor)

## Product Images



## Short Description

The InTemp CX403 data logger features an internal sensor for monitoring ambient temperature. The data logger communicates wirelessly via Bluetooth Low Energy (BLE) to mobile devices.

## Description

The CX403 features a built-in LCD display to view ambient temperature, advanced audible and visual alarm capabilities for notification of temperature excursions, and a NIST Certification of Calibration.

With the optional [CX Gateway device](#), you can get remote alert notifications of temperature excursions and

automatically download data from loggers within range of the device.

## Key Features

- Easy-to-read display with current and daily min/max temperatures
- Audible and visual alarms
- Bluetooth transmission of data and alarm states
- Logger setup and download of data in seconds – without a PC or cable
- +/- 0.5C accuracy for reliable temperature readings
- Battery-powered to guard against local power loss
- Optional ISO 17025 compliant calibration service (NIST included).

# Additional Information

Country of Manufacture	United States
Explanation	<b>Specifications</b>
	<b>Logger</b>
	<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 (-22° to 158°F), 0 to 95% RH (non-condensing)
	<b>Logging Rate</b> 1 second to 18 hours
	<b>Time Accuracy</b> ±1 minute per month at 25°C (77°F)
	<b>Battery Type</b> Two AAA 1.5 V alkaline or lithium 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
	<b>CE</b> The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).
	<b>Ambient Temperature Sensor</b>
	<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) ±1.0°C from -30° to -15°C (±1.8°F from -22° to 5°F)
Ideal For	<b>Resolution</b> 0.024°C at 25°C (0.04°F at 77°F)
	<b>Drift</b> <0.1°C (0.18°F) per year
	<b>Response Time</b> 15 minutes typical to 90% in air moving 1 m/s
Brand	Onset InTemp
Maximum Temperature	70°C / 158°F
Tolerance	±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)
Battery type	2 x AAA (included)
Channel(s)	1
Typical applications	Cold Chain, Life Sciences, Pharmaceutical, Vaccine Storage
Measurements	Temperature

# Additional Options

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<b>Optional Remote Cloud-based Access to Your Data</b>	InTemp CX Internet Gateway (SKU: CX5000)
<b>CX Gateway Service Plan Subscription - required with CX Internet Gateway</b>	CX Gateway Service Plan Subscription (1 Year)