



# InTemp CX703 Bluetooth 365 Day Multi-Use Cryogenic Temperature Data Logger

## Product Images



## Short Description

The Onset InTemp CX703 Cryogenic data logger is a low-cost Bluetooth Low Energy (BLE)-enabled multiple-use logger that records temperature data for up to 365 days. The CX703's built-in 1.5m probe measures temperatures as low as -200°C (-328°F) and includes a protective sheath to prevent accidental cutting of the cable.

## Description

Using the InTemp® app on your mobile device, you can easily configure the CX703 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 analyse and export data as needed.

With the optional [CX Gateway](#) device, you can get real-time notifications via email or text of temperature excursions, and automatically download data from loggers within range of the device.

## Key Features of the CX703

- Compact and lightweight – ideal for shipping pharmaceuticals
- Bluetooth means no need to open containers to access data
- Record up to 14,000 data points
- Anti-cut cable sheath
- Single-Point ISO/IEC 17025 NIST 'UKAS' Certificate of Calibration, valid for one year from date of purchase
- International Air Transport Association (IATA) compliant battery
- Integrates with mobile and cloud platforms for a 21CFR Part 11 compliant solution
- Secure data via encrypted technology.

## Additional Information

Country of Manufacture	United States
Brand	Onset InTemp
Measurements	Temperature
Typical applications	Cold Chain, Datalogging, Life Sciences, Medical, Pharmaceutical
Explanation	<p>To see the full specifications for this product, please see the product manual under the Resources tab.</p> <p><b>Temperature Probe</b></p> <p><b>Sensor Range</b> -200° to 50°C (-328° to 122°F); To ensure insulation integrity, avoid flexing the wire during exposure to temperatures below -100°C (-148°F)</p> <p><b>Accuracy</b> ±1.5°C from -200° to -90°C (±2.7°F from -328° to -130°F) ±1.0°C from -90° to -10°C (±1.8°F from -130° to 14°F) ±0.5°C from -10° to 50°C (±0.9°F from -14° to 122°F)</p> <p><b>Resolution</b> 0.013°C at 25°C (0.023°F at 77°F)</p> <p><b>Drift</b> &lt;0.1°C (0.18°F) per year</p> <p><b>Response Time</b> 1 minute 30 seconds typical to 90% in open air moving 1 m/s, unmounted</p> <p><b>NIST Calibration</b> CX702 and CX703: Single-point NIST calibration, probe only CX703-UN: Calibration not included</p> <p><b>Cable Length</b> 1.5 m (4.92 ft)</p> <p><b>Probe Dimensions</b> Food-grade stainless steel probe with blunt tip, 31.75 mm (1.25 inches) long, 4.78 mm (0.188 inches) diameter</p> <p><b>Logger</b></p> <p><b>Logger Operating Range</b> -30° to 50°C (-22° to 122°F)</p> <p><b>Radio Power</b> 1 mW (0 dBm)</p> <p><b>Transmission Range</b> Approximately 30.5 m (100 ft) line-of-sight</p> <p><b>Wireless Data Standard</b> Bluetooth Low Energy (Bluetooth Smart)</p> <p><b>Type</b> Multi-use</p> <p><b>Duration</b> Up to 1 year</p> <p><b>Shelf Life</b> Up to 1 year</p> <p><b>Logging Rate</b> 1 second to 18 hours</p> <p><b>Time Accuracy</b> ±1 minute per month at 25°C (77°F)</p> <p><b>Battery</b> CR2450 3V lithium, not replaceable. Battery life 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.</p> <p><b>Memory</b> 16,000 measurements</p> <p><b>Full Memory Download Time</b> Approximately 30 seconds; may take longer the farther the device is from the logger</p> <p><b>Dimensions</b> 6.9 x 4.5 x 1.1 cm (2.71 x 1.76 x 0.42 inches)</p> <p><b>Weight</b> 25.5 g (0.90 oz)</p> <p><b>Environmental Rating</b> IP65</p> <p> The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).</p> <p>Passed RTCA DO160G, part 21H</p>
Ideal For	Professional
Dimensions	6.9 x 4.5 x 1.1 cm
Batteries	CR2450 (included)
Power	Battery only

## Additional Options

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**Optional Remote Cloud-based Access to Your Data**

InTemp CX Internet Gateway (SKU: CX5000)

**CX Gateway Service Plan Subscription - required with CX Internet Gateway**

CX Gateway Service Plan Subscription (1 Year)