

## InTemp<sup>®</sup> CX702 Data Logger

### InTemp Cryogenic Logger - Single Use Data Logger (CX702)

The InTemp CX702 Cryogenic data logger is a low-cost Bluetooth Low Energy (BLE)-enabled single-use logger that records temperature data for up to 90 days. The CX702'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.

Using the InTemp<sup>®</sup> app on your mobile device, you can easily configure the CX702 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 real-time notification of temperature excursions and automatically download data from loggers within range of the device. Learn more about the CX Gateway here.

#### Supported Measurements:

Temperature



## InTemp CX702 Data Logger Specifications

Temperature Probe	
<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)
<b>Accuracy</b>	±1.5°C from -95° to -40°C (±2.7°F from -139° to -40°F) ±1.0°C from -40° to -10°C (±1.8°F from -40° to 14°F) ±0.5°C from -10° to 50°C (±0.9°F from -14° to 122°F)
<b>Resolution</b>	0.013°C at 25°C (0.023°F at 77°F)
<b>Drift</b>	<0.1°C (0.18°F) per year
<b>Response Time</b>	1 minute 30 seconds typical to 90% in open air moving 1 m/s, unmounted
<b>NIST Calibration</b>	CX702 and CX703: Single-point NIST calibration, probe only CX703-UN: Calibration not included
<b>Cable Length</b>	1.5 m (4.92 ft)
<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
Logger	
<b>Logger Operating Range</b>	-30° to 50°C (-22° to 122°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>Type</b>	Single use
<b>Duration</b>	Up to 1 year
<b>Shelf Life</b>	Up to 1 year
<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>	CR2450 3V lithium, not replaceable. Battery for CX602 and CX702 models lasts for duration specified when logger is used within the 1-year shelf life. Battery life for the CX603 and CX703 models 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>Memory</b>	16,000 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>	IP65



The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

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## 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
- ▶ Fax 1-508-759-9100

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

- ▶ Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-877-564-4377

Onset Computer Corporation  
470 MacArthur Boulevard  
Bourne, MA 02532