

InTemp[®] CX702 Data Logger

Cryogenic Logger - Single Use

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[®] 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[®] 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.



Key Advantages:

- Single-Point ILAC/ISO17025 NIST Certificate of Calibration, valid for one year from date of purchase
- IATA Battery compliant
- Record up to 14,000 data points
- Anti-cut sheath
- Integrates with mobile and cloud platforms for a 21 CFR Part 11 compliant solution
- Compact and lightweight – ideal for shipping pharmaceuticals
- No need to open containers to access data
- Ensures secure data via encrypted technology

Temperature Probe

Sensor Range	-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)
Accuracy	±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 -328° to 14°F) ±0.5°C from -10° to 50°C (±0.9°F from 14° to 122°F)
Resolution	0.013°C at 25°C (0.023°F at 77°F)
NIST Calibration	CX702 and CX703: Single-point NIST calibration, probe only CX703-UN: Calibration not included
Cable Length	1.5 m (4.92 ft)
Probe Dimensions	Food-grade stainless steel probe with blunt tip, 31.75 mm (1.25 inches) long, 4.78 mm (0.188 inches) diameter

Logger

Logger Operating Range	-30° to 50°C (-22° to 122°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)
Type	Single use
Duration	90 days
Shelf Life	Up to 1 year
Logging Rate	1 second to 18 hours
Battery	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.
Memory	16,000 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	25.5 g (0.90 oz)
Environmental Rating	IP65
CE	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

Contact Us

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

- ▶ Email 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 6pm ET, Monday through Friday)

- ▶ Contact Product Support www.onsetcomp.com/support/contact
- ▶ Call 1-508-759-9500
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