



InTemp® CX703x Data Logger

Cryogenic Multiple Use

The 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.

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 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 (CX703 ONLY. CX703-UN is not NIST Calibrated; calibration can be performed by the user)
- 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

InTemp CX703x Data Logger Specifications

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 Multiple Use

Duration 365 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).

Passed RTCA DO160G, part 21H