

CX702

InTemp Cryogenic Logger - Single-Use Data Logger

Single-use Bluetooth temperature data logger for ultra-low Cold Chain shipment monitoring

GXP compliant temperature IoT data logger ideal for Life Science and Pharmaceutical Cold Chain logistics for cryogenic, ultra-low conditions. Ideal applications: General pharmaceutical and vaccine shipment and warehouse monitoring. Meets global Cold Chain, FDA, and EU regulatory requirements.

Important Information

Remote monitoring, process automation, and alarm notifications require the CX5001 Gateway. Gateway and mobile devices must be within 100ft (30.5m) Bluetooth range for data transmission.



Compatible with
InTemp Mobile App
InTempConnect[®]
InTempVerify
InTemp Wi-Fi/Ethernet IoT Gateway



Supported Measurements

Temperature

Features

- 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

Contact Us

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

- 1-508-743-3309 (US & International)
- +45 6154 5745 (EMEA)

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

- Email InTempHelp@onsetcomp.com
- Contact Support online www.onsetcomp.com/intemp/contact/support

Onset Computer Corporation
470 MacArthur Boulevard
Bourne, MA 02532

InTemp Cryogenic Logger - Single-Use Data Logger (CX702) 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	±1.8°C from -200° to -90°C (±3.2°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	Single-point NIST calibration, probe only @ -195C
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 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. Battery lasts for duration specified when logger is used within the 1-year shelf 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

Notices

Passed RTCA DO160G, part 21H

