

CX502

InTemp 90-Day Temperature Logistics Monitoring

Single-use Bluetooth temperature data logger for frozen to ambient Cold Chain shipments

GXP compliant temperature IoT data logger ideal for Life Science and Pharmaceutical Cold Chain logistics for frozen to ambient 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. 90 day logging memory capacity. Single-use only. Cannot be reused on multiple shipment/configurations.



Supported Measurements

Temperature

Features

- Integrates with mobile and cloud platforms for a 21 CFR Part 11 compliant solution
- Enables fast, remote data transfer; ideal for clinical logistics
- Eliminates need to open sealed containers to retrieve data
- Real-time alerts and automatic data downloads with optional InTemp CX Gateway device
- Shortens logger-handling times; no PC or cables required
- Ensures secure data via encrypted technology
- Meets GDP requirements for NIST traceable calibration

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

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InTemp 90-Day Temperature Logistics Monitoring (CX502) Specifications

Temperature Sensor

Range	-30° to 70°C (-22° to 158°F)
Accuracy	±1.0°C from -30° to -5°C (±1.8°F from -22° to 23°F) ±0.5°C from -5° to 50°C (±0.9°F from 23° to 122°F) ±1.0°C from 50° to 70°C (±1.8°F from 122° to 158°F)
Resolution	0.04°C (0.072°F)

Logger

Logger Operating Range	-30° to 70°C (-22° to 158°F)
NIST Calibration	Three-point NIST calibration, probe only @ -10C, 25C, and 55C
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	14,000 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	IP67

Notices

Passed RTCA DO160G, part 21H

