

Tempcon Instrumentation Ford Lane Business Park Ford West Sussex BN18 OUZ, UK www.tempcon.co.uk



InTemp CX502 Bluetooth 90 Day Single-Use Temperature Data Logger

Product Images









Short Description

The InTemp CX502 Bluetooth® Low Energy data logger is a single-use logger that records temperature data for up to 90 days. Designed for Cold Chain, CRT, and Frozen Shipments, the CX502 is ideal for sea container, long haul, and parcel shipments.

Description

Using the InTemp app on your mobile device, you can easily configure the CX502 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 analyse and export data as needed.

With the optional CX Gateway, you can get remote notifications of temperature excursions and automatically download data from loggers within range of the device.

A 3-Point Certificate of Calibration, valid for one year from date of purchase, provides assurance that the data can be trusted when making important product-disposition decisions.

Key Features of the CX502

- Integrates with mobile and cloud platforms for a 21CFR 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 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.

Additional Information

Country of Manufacture	United States	United States		
Brand	InTemp	InTemp		
Measurements	Temperature			
Typical applications	Cold Chain, Datalogging, Food Safety, Life Sciences, Medical, Pharmaceutical			
	For full specifications for this product, please see the product manual under the Resources tab.			
	Logger			
	Logger Operating Range		-30° to 70°C (-22° to 158°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)	
	Logging Rate		1 second to 18 hours	
	Time Accuracy		±1 minute per month at 25°C (77°F)	
	Battery		CR2450 3V lithium, not replaceable. Battery for CX502 lasts for duration specified when logger is used within the 1-year shelf life. Faster logging intervals, remaining connected with the InTemp app, excessive downloads, and paging may impact battery life.	
	Туре		Single Use	
	Duration		90 Days	
	Shelf Life		Up to 1 year	
Explanation	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			
	Weight		25.5 g (0.90 oz)	
	Weight Environmental I	Rating	25.5 g (0.90 oz) IP67	
		Rating		
	Environmental I		IP67 The CE Marking identifies this product as complying with all relevant directives in the European Union	
	Environmental I	nsor	IP67 The CE Marking identifies this product as complying with all relevant directives in the European Union	
	Environmental I CE Temperature Se	nsor -30° to 70°C ±1.0°C from ±0.5°C from	IP67 The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).	
	Environmental I CE Temperature Se Sensor Range	nsor -30° to 70°C ±1.0°C from ±0.5°C from	IP67 The CE Marking identifies this product as complying with all relevant directives in the European Union (EU). (-22° to 158°F) 1-30° to -5°C (±1.8°F from -22° to 23°F) 1-5° to 50°C (±0.9°F from 23° to 122°F) 1-50° to 70°C (±1.8°F from 122° to 158°F)	
	Temperature Se Sensor Range Accuracy	-30° to 70°C ±1.0°C from ±0.5°C from ±1.0°C from 0.04°C (0.07	IP67 The CE Marking identifies this product as complying with all relevant directives in the European Union (EU). (-22° to 158°F) 1-30° to -5°C (±1.8°F from -22° to 23°F) 1-5° to 50°C (±0.9°F from 23° to 122°F) 1-50° to 70°C (±1.8°F from 122° to 158°F)	
	Temperature Se Sensor Range Accuracy	-30° to 70°C ±1.0°C from ±0.5°C from ±1.0°C from 0.04°C (0.07 <0.01°C (0.00	IP67 The CE Marking identifies this product as complying with all relevant directives in the European Union (EU). E (-22° to 158°F) 1-30° to -5°C (±1.8°F from -22° to 23°F) 1-5° to 50°C (±0.9°F from 23° to 122°F) 150° to 70°C (±1.8°F from 122° to 158°F)	
deal For	Temperature Se Sensor Range Accuracy Resolution Drift	-30° to 70°C ±1.0°C from ±0.5°C from ±1.0°C from 0.04°C (0.07 <0.01°C (0.00	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU). 1. (-22° to 158°F) 130° to -5°C (±1.8°F from -22° to 23°F) 1. 50° to 50°C (±0.9°F from 23° to 122°F) 1. 50° to 70°C (±1.8°F from 122° to 158°F) 1. 2°F) 1. 3°F) per year	
deal For Dimensions	Temperature Se Sensor Range Accuracy Resolution Drift Response Time	-30° to 70°C ±1.0°C from ±0.5°C from ±1.0°C from 0.04°C (0.07 <0.01°C (0.00	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU). 1. (-22° to 158°F) 130° to -5°C (±1.8°F from -22° to 23°F) 1. 50° to 50°C (±0.9°F from 23° to 122°F) 1. 50° to 70°C (±1.8°F from 122° to 158°F) 1. 2°F) 1. 30°F) per year	
	Temperature Se Sensor Range Accuracy Resolution Drift Response Time Professional	-30° to 70°C ±1.0°C from ±0.5°C from ±1.0°C from 0.04°C (0.07 <0.01°C (0.00	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU). 1. (-22° to 158°F) 130° to -5°C (±1.8°F from -22° to 23°F) 1. 50° to 50°C (±0.9°F from 23° to 122°F) 1. 50° to 70°C (±1.8°F from 122° to 158°F) 1. 2°F)	

Additional Options

Optional Remote Cloud-based Access to Your Data	InTemp Wi-Fi/Ethernet CX Gateway (SKU: CX5001)
CX Gateway Service Plan Subscription - required with CX Internet Gateway	CX Gateway Service Plan Subscription (1 Year)