



InTemp CX450 Bluetooth Temperature & Humidity Data Logger

Product Images



Short Description

The InTemp CX450 Temp/RH data logger monitors temperature and relative humidity in storage and transportation environments.

Description

The logger uses Bluetooth Low Energy (BLE) technology to wirelessly communicate to mobile devices with the

free InTemp mobile app and/or the optional [InTemp CX5000 Internet Gateway Device](#) and send data to the free [InTempConnect cloud platform](#). The external sensor provides highly accurately temperature (-30°C to 70°C) and humidity (0% to 95%) readings.




The CX450 Temp/RH logger also features a built-in LCD display to view temperature and relative humidity readings, visual alarms and audible alarms, plus the ability to view minimum and maximum readings, without affecting logged data.

With the optional [InTemp CX5000 Gateway device](#), users can receive text or email notifications of temperature and/or humidity excursions, as well as automatic data downloads from loggers within range of the CX Gateway device.

Key Features

- Easy-to-read display with current and daily min/max temperature and humidity readings
- Audible and visual alarms for temp, RH, and combined temp/RH
- Bluetooth transmission of data and alarm states
- + 0.5°C accuracy for reliable temperature readings from -30°C to 70°C
- + 3% accuracy for reliable RH readings from 0% to 90% (+ 3.5% accuracy for reliable RH readings greater than 90% at 25°C)
- Free InTemp mobile app to configure logger, view data, and access the free InTempConnect cloud software service
- Real-time alerts and automatic data downloads with optional [CX5000 Gateway device](#)
- Easy logger setup and download of data in seconds – without a PC or cable
- AAA battery-powered to guard against local power loss
- Optional ISO 17025 compliant calibration service (two-point NIST One Year Certificate of Calibration included).

Additional Information

Country of Manufacture	United States	
Explanation	Logger	
	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)
	Logger Operating Range	-30° to 70°C (-22° to 158°F), 0 to 95% RH (non-condensing)
	NIST Calibration	Two-point NIST calibration included
	Logging Rate	1 second to 18 hours
	Time Accuracy	±1 minute per month at 25°C (77°F)
	Battery Type	Two AAA 1.5 V alkaline or lithium batteries, user replaceable
	Battery Life	1 year, typical with logging interval of 1 minute. Faster logging intervals, remaining connected with the InTemp app, excessive report generation, numerous audible alarms, and paging all impact battery life.
	Memory	178 KB (103,400 total measurements or 51,700 temp & RH paired measurements)
	Full Memory Download Time	Approximately 60 seconds; may take longer the farther the device is from the logger
	LCD	LCD is visible from 0° to 50°C (32° to 122°F); the LCD may react slowly or go blank in temperatures outside this range
	Dimensions	9.4 x 5.6 x 2.59 cm (3.7 x 2.21 x 1.02 inches)
	Weight	90.2 g (3.18 oz)
	Environmental Rating	IP54
		The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).
	Compliance marks	 
	Temperature Sensor	
	Range	-30° to 70°C (-22° to 158°F)
Accuracy	±0.5°C from -30° to 70°C (±0.9°F from -22° to 158°F)	
Resolution	0.024°C at 25°C (0.04°F at 77°F)	
Drift	<0.1°C (0.18°F) per year	
RH Sensor		
Range	0 to 95% (non-condensing)	
Accuracy	±3% from 0% to 90% and ±3.5% from greater than 90% typical at 25°C (77°F)	
Resolution	0.01%	
Drift	<1% per year typical	
Ideal For	Professional	
Brand	Onset InTemp	
Battery type	2 x AAA (included)	
Typical applications	Cold Chain, Life Sciences, Pharmaceutical, Vaccine Storage	
Measurements	Humidity, Temperature	

Additional Options

Optional Remote Cloud-based Access to Your Data

InTemp CX Internet Gateway (SKU: CX5000)

CX Gateway Service Plan Subscription - required with CX Internet Gateway

CX Gateway Service Plan Subscription (1 Year)