



# InTemp CX402 Bluetooth Fridge Temperature Logger (with Glycol Bottle)

## Product Images



## Short Description

The InTemp CX402 data logger automatically monitors temperatures in medical fridges with unparalleled ease. The CX400 range of data loggers communicate wirelessly via Bluetooth to mobile devices.

## Description

Used in conjunction with the free InTemp app, you can easily view data, check logger status, set alarms, and

create and share secure PDF reports for streamlined reporting and regulatory compliance. The CX402 features a built-in LCD display to view current and daily min and max temperatures, advanced audible and visual alarm capabilities for notification of temperature excursions, an internal sensor for ambient temperature monitoring, and an ISO 17025 (NIST) Certification of Calibration.

With the optional [CX Internet Gateway device](#), you can get alert notifications via text and/or email of temperature excursions, and automatically download data from loggers within range of the device.

Models are available with a 2 or 4 metre external temperature probe attached to a Glycol bottle (if required) used to insulate the probe and delay thermal response times.

## Key Features

- Easy-to-read display with current and daily min/max temperatures
- Audible and visual alarms for temperatures outside pre-set range
- Streamlined daily temperature checks simplify compliance with Green Book guidance
- Cost-effective – no subscription fees, free mobile app, and free cloud data storage
- Receive high/low temperature alerts via text/email with the optional CX Internet Gateway device
- Battery-powered to guard against local power loss
- Built to FDA, USP, EU, and WHO standards
- Ideal for monitoring vaccines
- Spend less time on compliance and more time with patients.

# Additional Information

Country of Manufacture	United States																																																				
Explanation	<p>To see the full specifications for this product, please see the Data Sheet found under the Resources tab.</p> <p><b>Logger</b></p> <table><tr><td>Radio Power</td><td>1 mW (0 dBm)</td></tr><tr><td>Transmission Range</td><td>Approximately 30.5 m (100 ft) line-of-sight</td></tr><tr><td>Wireless Data Standard</td><td>Bluetooth Low Energy (Bluetooth Smart)</td></tr><tr><td>Logger Operating Range</td><td>-30° to 70°C (-22° to 158°F), 0 to 95% RH (non-condensing)</td></tr><tr><td>Logging Rate</td><td>1 second to 18 hours</td></tr><tr><td>Time Accuracy</td><td>±1 minute per month at 25°C (77°F)</td></tr><tr><td>Battery Type</td><td>Two AAA 1.5 V alkaline or lithium batteries, user-replaceable</td></tr><tr><td>Battery Life</td><td>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.</td></tr><tr><td>Memory</td><td>128 KB (84,650 measurements, maximum)</td></tr><tr><td>Full Memory Download Time</td><td>Approximately 60 seconds; may take longer the farther the device is from the logger</td></tr><tr><td>LCD</td><td>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</td></tr><tr><td>Dimensions</td><td>9.4 x 4.5 x 2.59 cm (3.7 x 1.77 x 1.02 inches)</td></tr><tr><td>Weight</td><td>90.2 g (3.18 oz)</td></tr><tr><td>Environmental Rating</td><td>IP54</td></tr><tr><td>CE</td><td>The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).</td></tr></table> <p><b>External Temperature Probe</b></p> <table><tr><td>Range</td><td>-40° to 100°C (-40° to 212°F)</td></tr><tr><td>Accuracy</td><td>±0.5°C from -15° to 80°C (±0.9°F from 5° to 176°F) ±1.0°C from -40° to -15°C (±1.8°F from -40° to 5°F) ±0.7°C from 80° to 100°C (±1.3°F from 176° to 212°F)</td></tr><tr><td>Resolution</td><td>0.024°C at 25°C (0.04°F at 77°F)</td></tr><tr><td>Drift</td><td>&lt;0.1°C (0.18°F) per year</td></tr><tr><td>Response Time</td><td>With 5 mL bottle: 10 minutes typical to 90% in air moving 1 m/s With 15 mL bottle: 20 minutes typical to 90% in air moving 1 m/s With 30 mL bottle: 25 minutes typical to 90% in air moving 1 m/s</td></tr><tr><td>Cable Length</td><td>2 or 4 meter (6.56 or 13.12 feet) flat ribbon cable</td></tr></table> <p><b>Ambient Temperature Sensor</b></p> <table><tr><td>Range</td><td>-30° to 70°C (-22° to 158°F)</td></tr><tr><td>Accuracy</td><td>±0.5°C from -15° to 70°C (±0.9°F from 5° to 158°F) ±1.0°C from -30° to -15°C (±1.8°F from -22° to 5°F)</td></tr><tr><td>Resolution</td><td>0.024°C at 25°C (0.04°F at 77°F)</td></tr><tr><td>Drift</td><td>&lt;0.1°C (0.18°F) per year</td></tr><tr><td>Response Time</td><td>15 minutes typical to 90% in air moving 1 m/s</td></tr></table>	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)	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	128 KB (84,650 measurements, maximum)	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 4.5 x 2.59 cm (3.7 x 1.77 x 1.02 inches)	Weight	90.2 g (3.18 oz)	Environmental Rating	IP54	CE	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).	Range	-40° to 100°C (-40° to 212°F)	Accuracy	±0.5°C from -15° to 80°C (±0.9°F from 5° to 176°F) ±1.0°C from -40° to -15°C (±1.8°F from -40° to 5°F) ±0.7°C from 80° to 100°C (±1.3°F from 176° to 212°F)	Resolution	0.024°C at 25°C (0.04°F at 77°F)	Drift	<0.1°C (0.18°F) per year	Response Time	With 5 mL bottle: 10 minutes typical to 90% in air moving 1 m/s With 15 mL bottle: 20 minutes typical to 90% in air moving 1 m/s With 30 mL bottle: 25 minutes typical to 90% in air moving 1 m/s	Cable Length	2 or 4 meter (6.56 or 13.12 feet) flat ribbon cable	Range	-30° to 70°C (-22° to 158°F)	Accuracy	±0.5°C from -15° to 70°C (±0.9°F from 5° to 158°F) ±1.0°C from -30° to -15°C (±1.8°F from -22° to 5°F)	Resolution	0.024°C at 25°C (0.04°F at 77°F)	Drift	<0.1°C (0.18°F) per year	Response Time	15 minutes typical to 90% in air moving 1 m/s
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Ideal For	Professional																																																				
Brand	Onset InTemp																																																				
Maximum Temperature	100°C																																																				
Tolerance	±0.5°C from -15° to 80°C																																																				
Battery type	2 AAA																																																				
Channel(s)	1																																																				
Sensor(s)	External Probe (Please select length)																																																				
Typical applications	Life Sciences, Pharmaceutical, Vaccine Storage																																																				
Measurements	Temperature																																																				

# Additional Options

<b>Select Probe Cable Length and Glycol Bottle Size:</b>	2m Probe with 5ml Glycol Bottle
	2m Probe with 15ml Glycol Bottle
	2m Probe with 30ml Glycol Bottle
	4m Probe with 5ml Glycol Bottle
	4m Probe with 15ml Glycol Bottle
	4m Probe with 30ml Glycol Bottle
<b>Optional Remote Cloud-based Access to Your Data</b>	InTemp CX Internet Gateway (SKU: CX5000)
<b>CX Gateway Service Plan Subscription - required with CX Internet Gateway</b>	CX Gateway Service Plan Subscription (1 Year)