



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

## Product Images



## Short Description

InTemp ® CX402-VFC is a fully CDC VFC-compliant thermometer data logger used in hospitals, clinics, and WHO sites.

## Description

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Used in conjunction with the InTemp mobile app, you can easily view data, check logger status, set alarms, and create and share secure PDF reports for streamlined reporting and regulatory compliance. All data loggers feature a built-in LCD display to view current and daily min and max temperatures, Bluetooth, 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 Gateway device](#), get remote alert notifications 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 of the CX400 VFC Data Logger

- Complies with all CDC and Vaccine for Children program requirements
- Easy-to-read display with current and daily min/max temperatures
- Bluetooth transmission of data and alarm states to mobile devices
- Logger setup and download of data in seconds – without a PC or cable
- +/- 0.5C accuracy for reliable temperature readings
- Battery-powered to guard against local power loss
- Includes 3 Year ISO 17025 compliant calibration.

# 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>±1.0°C from -40° to -22°C (±1.8°F from -40° to -8°F) ±0.5°C from -22° to 50°C (±0.9°F from -8° to 122°F) ±1.0°C from 50° to 100°C (±1.8°F from 122° 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 metre (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>±1.0°C from -30° to -22°C (±1.8°F from -22° to -8°F) ±0.5°C from -22° to 50°C (±0.9°F from -8° to 122°F) ±1.0°C from 50° to 70°C (±1.8°F from 122° to 158°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	±1.0°C from -40° to -22°C (±1.8°F from -40° to -8°F) ±0.5°C from -22° to 50°C (±0.9°F from -8° to 122°F) ±1.0°C from 50° to 100°C (±1.8°F from 122° 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 metre (6.56 or 13.12 feet) flat ribbon cable	Range	-30° to 70°C (-22° to 158°F)	Accuracy	±1.0°C from -30° to -22°C (±1.8°F from -22° to -8°F) ±0.5°C from -22° to 50°C (±0.9°F from -8° to 122°F) ±1.0°C from 50° to 70°C (±1.8°F from 122° 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	Response Time	15 minutes typical to 90% in air moving 1 m/s
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Ideal For	Professional																																																				
Brand	Onset InTemp																																																				
Battery type	2 x AAA (included)																																																				
Channel(s)	1																																																				
Sensor(s)	External Probe (Please select length)																																																				
Typical applications	Life Sciences, Pharmaceutical, Vaccine Storage																																																				
Measurements	Temperature																																																				

# Additional Options

Please Choose:	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
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)