

## InTemp<sup>®</sup> CX402-VFCxxx Data Logger

### Bluetooth Temperature with Glycol Bottle (VFC/CDC)

InTemp<sup>®</sup> CX402-VFCxxx (with glycol bottle) data loggers monitor temperatures in refrigerators and freezers for clinics participating in the CDC Vaccines for Children program as well as hospitals, clinics, and WHO sites. The loggers communicate wirelessly via Bluetooth Low Energy to mobile devices. Using the 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. All loggers feature 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 a 3-year NIST Certification of Calibration (probe only).



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

Models are available with a 2- or 4-meter external temperature probe attached to a glycol bottle used to insulate the probe and delay thermal response times.

#### Product Numbers:

CX402-VFC205  
CX402-VFC215  
CX402-VFC405  
CX402-VFC415

#### Key Advantages:

##### Features

- Complies with all CDC and Vaccine for Children (VFC) program requirements
- Integrates with mobile and cloud platforms for a 21 CFR Part 11 compliant solution
- Easy-to-read display with current and daily min/max temperatures
- Bluetooth transmission of data and alarm states
- Real-time alerts and automatic data downloads with optional CX Gateway device
- 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
- Several glycol bottle sizes with probe and cable-length options
- Includes 3-year ISO 17025 compliant calibration, [per CDC guidelines](#)

## InTemp CX402-VFCxxx Data Logger Specifications

### External Temperature Probe

<b>Range</b>	-40° to 100°C (-40° to 212°F)
<b>Accuracy</b>	±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)
<b>Resolution</b>	0.024°C at 25°C (0.04°F at 77°F)
<b>Cable Length</b>	2 or 4 meter (6.56 or 13.12 feet) flat ribbon cable
<b>NIST Calibration</b>	Single point NIST calibration, probe only
<b>Probe Dimensions</b>	Food-grade stainless steel probe with pointed tip, 53.34 mm (2.1 inches) long, 3.18 mm (0.125 inches) diameter

### Ambient Temperature Sensor

<b>Range</b>	-30° to 70°C (-22° to 158°F)
<b>Accuracy</b>	±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)
<b>Resolution</b>	0.024°C at 25°C (0.04°F at 77°F)

### Logger

<b>Radio Power</b>	1 mW (0 dBm)
<b>Transmission Range</b>	Approximately 30.5 m (100 ft) line-of-sight
<b>Wireless Data Standard</b>	Bluetooth Low Energy (Bluetooth Smart)
<b>Logger Operating Range</b>	-30° to 70°C (-22° to 158°F), 0 to 95% RH (non-condensing)
<b>Logging Rate</b>	1 second to 18 hours
<b>Battery Type</b>	Two AAA 1.5 V alkaline or lithium batteries, user replaceable
<b>Battery Life</b>	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.
<b>Memory</b>	128 KB (84,650 measurements, maximum)
<b>Full Memory Download Time</b>	Approximately 60 seconds; may take longer the farther the device is from the logger
<b>LCD</b>	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
<b>Dimensions</b>	9.4 x 4.5 x 2.59 cm (3.7 x 1.77 x 1.02 inches)
<b>Weight</b>	90.2 g (3.18 oz)
<b>Environmental Rating</b>	IP54



The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

Compliance Marks



Contact Us

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