InTemp by Onset

InTemp® CX402-Txxx Data Logger

Bluetooth Temperature with Glycol Bottle (Logistics)

InTemp ® CX402-Txxx (with Glycol Bottle) data loggers monitor temperatures in refrigerators, freezers and other temperature-controlled environments to comply with global GDP requirements. 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 single-point NIST Certification of Calibration for both the logger body and probe.

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-T205
CX402-T215
CX402-T230
CX402-T405
CX402-T415
CX402-T430

Key Advantages:

- 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
- Logger setup and download of data in seconds – without a PC or cable
- Real-time alerts and automatic data downloads with optional CX Gateway device
- +/- 0.5C accuracy for reliable temperature readings
- Battery-powered to guard against local power loss
- Several Glycol bottle/probe-only options available
- Includes 1-year NIST calibration, per USP guidelines

InTemp CX402-Txxx Data Logger Specifications

External Temperature Probe

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)
Cable Length	2 or 4 meter (6.56 or 13.12 feet) flat ribbon cable
NIST Calibration	Single-point NIST calibration, probe and logger body
Probe Dimensions	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

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)

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)
Logging Rate	1 second to 18 hours
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).
Compliance Marks	

Contact Us

Sales (8am to 5pm ET, Monday through Friday)
- Email sales@onsetcomp.com
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- In U.S. toll free 1-800-564-4377
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Technical Support (8am to 6pm ET, Monday through Friday)
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