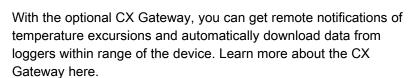


# InTemp® CX402-Txxx Data Logger

InTemp Bluetooth Low Energy Temperature (with Glycol) Data Logger (CX402-Txxx)

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.



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.



Temperature



## InTemp CX402-Txxx Data Logger Specifications

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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 TimeApproximately 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).

## **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)

**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 Length2 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)

**Drift** <0.1°C (0.18°F) per year

Response Time 15 minutes typical to 90% in air moving 1 m/s

#### **Contact Us**

Sales (8am to 5pm ET, Monday through Friday)

- ► Email sales@onsetcomp.com
- ▶ Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Technical Support (8am to 8pm ET, Monday through Friday)

- ► Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
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