



The InTemp CX450 Temp/RH data logger monitors temperature and relative humidity in storage and transportation environments. It uses Bluetooth technology to wirelessly communicate with the InTemp CX Gateway and/or the free InTemp mobile app, and sends data to the free InTempConnect cloud platform. The external sensor provides highly accurately temperature (-30C to 70C) and humidity (0% to 95%) readings.

This Temp/RH logger also features a built-in LCD display to view temperature and relative humidity readings, visual and unique audible alarms, and battery level. Users can also view and display minimum and maximum readings, without affecting logged data.

## Features:

- Includes two-point NIST Certificate of Calibration, per USP guidelines, which is good for one year
- AAA battery-powered to guard against local power loss
- Integrates with mobile and cloud platforms for a 21 CFR Part 11 compliant solution
- + 0.5C accuracy for reliable temperature readings from -30C to 70C
- Easy logger setup and data download in seconds
- + 3% accuracy for reliable RH readings from 0% to 90% (+ 3.5% accuracy for reliable RH readings greater than 90% at 25C)
- LCD display, with ability to clear min/max temp and RH readings
- Free InTemp mobile app to configure logger, view data, and access the free InTempConnect cloud software service
- Unique audible alarms for temp, RH, and combined temp/RH
- Real-time alerts and automatic data downloads with optional InTemp CX Gateway device

**Who is this for?:**

- Required to follow GDP & GMP requirements specifically
- Internal temp and humidity sensor only (No probe)
- GDP/GMP compliant
- Refrigerated to ambient monitoring
- Humidity monitoring

**Technical Specifications:****RH Sensor**

Range	: 0 to 95% (non-condensing)
Accuracy	: $\pm 3\%$ from 0% to 90% and $\pm 3.5\%$ from greater than 90% typical at 25°C (77°F)
Resolution	: 0.01%

**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 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	: 178 KB (51,700 temp & RH paired measurements)
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 5.6 x 2.59 cm (3.7 x 2.21 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).