

CX450

InTemp Temperature and Relative Humidity Storage Monitoring

Multi-use Bluetooth temp and humidity digital data logger with LCD and RH sensor



GDP/GMP compliant temperature and RH data logger ideal for Healthcare and Life Science/Pharmaceutical product storage monitoring. Ideal applications: General pharmaceutical ambient storage, refrigeration, chamber, cold room, and warehouse monitoring. Meets global Cold Chain, FDA, and EU regulatory requirements.

Important Information

Remote monitoring, process automation, and alarm notifications require the CX5001 Gateway. Gateway and mobile devices must be within 100ft (30.5m) Bluetooth range for data transmission.

Supported Measurements

Relative Humidity, Temperature

Features

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

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

Contact Us

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

- 1-508-743-3309 (US & International)
- +45 6154 5745 (EMEA)

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

- Email InTempHelp@onsetcomp.com
- Contact Support online www.onsetcomp.com/intemp/contact/support

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InTemp Temperature and Relative Humidity Storage Monitoring (CX450) Specifications

Temperature Sensor

Range	-30° to 70°C (-22° to 158°F)
Accuracy	±0.5°C from -30° to 70°C (±0.9°F from -22° to 158°F)
Resolution	0.024°C at 25°C (0.04°F at 77°F)
NIST Calibration	Two-point NIST calibration included

RH Sensor

Range	0 to 95% (non-condensing)
Accuracy	±3.5% from 0% to 95% 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

Notices

Passed RTCA DO160G, part 21H

