




## InTemp<sup>®</sup> CX450 Data Logger

InTemp Temp/Relative Humidity Data Logger (CX450)



## InTemp CX450 Data Logger Specifications

### 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>NIST Calibration</b>	Two-point NIST calibration included
<b>Logging Rate</b>	1 second to 18 hours
<b>Time Accuracy</b>	±1 minute per month at 25°C (77°F)
<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>	178 KB (103,400 total measurements or 51,700 temp & RH paired measurements)
<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 5.6 x 2.59 cm (3.7 x 2.21 x 1.02 inches)
<b>Weight</b>	90.2 g (3.18 oz)
<b>Environmental Rating</b>	IP54
<b>CE</b>	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).
<b>Compliance marks</b>	

### Temperature Sensor

<b>Range</b>	-30° to 70°C (-22° to 158°F)
<b>Accuracy</b>	±0.5°C from -30° to 70°C (±0.9°F from -22° to 158°F)
<b>Resolution</b>	0.024°C at 25°C (0.04°F at 77°F)
<b>Drift</b>	<0.1°C (0.18°F) per year

### RH Sensor

<b>Range</b>	0 to 95% (non-condensing)
<b>Accuracy</b>	±3% from 0% to 90% and ±3.5% from greater than 90% typical at 25°C (77°F)
<b>Resolution</b>	0.01%
<b>Drift</b>	<1% per year typical

## Contact Us

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

- ▶ Email [sales@onsetcomp.com](mailto: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 6pm ET, Monday through Friday)

- ▶ Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-877-564-4377

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