



## InTemp® CX502 Data Logger

InTemp Bluetooth Low Energy 90 Day Single-Use Temperature Data Logger (CX502)

### Supported Measurements:

Temperature



InTemp CX502 Data Logger Specifications

|                           |                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Logger                    |                                                                                                                                                                                                                                                                                                                                                                                                       |
| Logger Operating Range    | -30° to 70°C (-22° to 158°F)                                                                                                                                                                                                                                                                                                                                                                          |
| 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)                                                                                                                                                                                                                                                                                                                                                                |
| Logging Rate              | 1 second to 18 hours                                                                                                                                                                                                                                                                                                                                                                                  |
| Battery                   | CR2032 (CX501) or CR2450 (CX502 and CX503) 3V lithium, not replaceable. Battery for CX501 and CX502 lasts for duration specified when logger is used within the 1-year shelf life. Battery life for the CX503 model is 1 year, typical with logging interval of 1 minute. Faster logging intervals, remaining connected with the InTemp app, excessive downloads, and paging may impact battery life. |
| Type                      | Single Use                                                                                                                                                                                                                                                                                                                                                                                            |
| Duration                  | 90 Days                                                                                                                                                                                                                                                                                                                                                                                               |
| Shelf Life                | Up to 1 year                                                                                                                                                                                                                                                                                                                                                                                          |
| Memory                    | 14,000 measurements                                                                                                                                                                                                                                                                                                                                                                                   |
| Full Memory Download Time | Approximately 30 seconds; may take longer the farther the device is from the logger                                                                                                                                                                                                                                                                                                                   |
| Dimensions                | 6.9 x 4.5 x 1.1 cm (2.71 x 1.76 x 0.42 inches)                                                                                                                                                                                                                                                                                                                                                        |
| Weight                    | 25.5 g (0.90 oz)                                                                                                                                                                                                                                                                                                                                                                                      |
| Environmental Rating      | IP67                                                                                                                                                                                                                                                                                                                                                                                                  |
| CE                        | The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).                                                                                                                                                                                                                                                                                          |

|                    |                                                                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Temperature Sensor |                                                                                                                                                                  |
| Sensor Range       | -30° to 70°C (-22° to 158°F)                                                                                                                                     |
| Accuracy           | ±1.0°C from -30° to -5°C (±1.8°F from -22° to 23°F)<br>±0.5°C from -5° to 50°C (±0.9°F from 23° to 122°F)<br>±1.0°C from 50° to 70°C (±1.8°F from 122° to 158°F) |
| Resolution         | 0.04°C (0.072°F)                                                                                                                                                 |

## Contact Us

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

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- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-800-564-4377
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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
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