**TEMPERATURE LOGGER**

**CSL-T0.5 Temperature Logger**

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| A close up of a device  Description automatically generated | **Key Features**   * Small footprint sensors for high accuracy. * Accuracy: minimum ± 0.5°C (range: ± 0.1 to 0.5°C) * Measurement Range: – 45°C to + 85°C * Resolution: 12-bit (0.03°C) * Maximum Sampling Rate: 60s (software programmable to different rate) * Software programmable high/low temperature alarm (LED indicator) * START/MARK button * Battery Life: more than 1.5 years (@ 5 min logging interval) * Dedicated port for battery replacement * Water-resistant casing * Thin and lightweight * No external wiring and ready to use out-of-the-box. |

**Product Details**

The CSL-T0.5temperature loggers use small footprint thermistors to offer highly accurate temperature measurements at a very affordable price compared to its market competitors. The CSL-T0.5is calibrated with extreme care and tested extensively in different environments under various stresses. The system is built with industry-grade materials which ensure it can be used both in scientific and industrial applications. The thin and light-weight design with an easy-to-attach handle allows CSL-T0.5to be used in a variety of conditions such as monitoring temperature of vaccination, blood plasma, pharmaceuticals, foods, and shipping containers. It can also be used to measure temperature gradients if sensors are positioned carefully in desired direction.

The CSL-T0.5uses a USB dongle (CreDock1, sold separately) to communicate with a computer via a software interface (CredoWare, freely downloadable). The software can be used in any platform (Unix, Windows, Linux) which allows the user to set the sampling rate, time/date, self-start time/date, the limit of high/low alarms, and many more. It can also be used to download time-stamped temperature data and view them in graphical and tabular forms and generate pdf reports.

The CSL-T0.5 uses the very commonly available and low-cost CR2477 batteries replaceable via a dedicated battery port. This allows the user to use the unit multiple times. The system uses a (RGB) LED which changes color depending on what the device is indicating/doing. For example, it blinks green every 60s when it is logging data and measuring temperature within the alarm limit. It blinks red every 60s when the temperature goes above the upper limit of the alarm range. Similarly, it blinks blue every 60s when the temperature goes below the lower limit of the alarm range.

The CSL-T0.5is ideal for applications that require better temperature monitoring at an affordable cost. For your application needs, please consult the product manual and application notes. If you do not find what you are particularly looking for, you will always find us at support@credosense.com.

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| **QUANTITY** | **PRICE EACH (CAD)\*** | **ADD TO CART** | |
| 1-100 | 42 | QTY | xxx |
| 100+ | Please contact us |
| Young researchers and researchers from low-income countries, please contact for discounted prices | | In production | |

\*without taxes, shipping costs, and import duties

**Product Manual**

[Detailed product manual for CSL-T0.5 will be available here. Please check back.]

**Software**

[Link to download CredoWare freely will be available here. Please check back.]

**Application Notes**

[Application notes for CSL-T0.5 will be available here. Please check back.]

**Customer Reviews**

[Customer reviews for CSL-T0.5 will be available here. Please check back to see what our customers say about CSL-T0.5]

**Related Products/Accessories**

* Credock1
* CSL-H2T0.2

For general inquiries related to this product please email: sales@credosense.com.

**RELATIVE HUMIDITY AND TEMPERATURE LOGGER**

**CSL-H2T0.2 Relative Humidity and Temperature Loggers**

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|  | **Key Features**   * Small footprint sensors for high accuracy. * Accuracy (average): relative humidity: 2% and temperature ± 0.2°C * Operating temperature: – 30°C to + 70°C * Resolution: 12-bit (0.03°C) * Maximum Sampling Rate: 60s (software programmable to different rate) * Software programmable high/low temperature alarm (LED indicator) * START/MARK button * Battery Life: more than 1.5 years (@ 5 min logging interval) * Dedicated port for battery replacement * Water-resistant casing * Thin and lightweight * No external wiring and ready to use out-of-the-box. |

**Product Details**

The CSL-H2T0.2relative humidity and temperature loggers use small footprint sensors to offer highly accurate temperature measurements at a very affordable price compared to its market competitors. The CSL-H2T0.2is calibrated with extreme care and tested extensively in different environments under various stresses. The system is built with industry-grade materials which ensure it can be used both in scientific and industrial applications. The thin and light-weight design with an easy-to-attach handle allows CSL-H2T0.2to be used in a variety of conditions such as monitoring relative humidity and temperature for vaccination, blood plasma, pharmaceuticals, foods, and shipping containers. It can also be used to in weather stations to measure temperature and relative humidity very accurately.

The CSL-H2T0.2 uses a USB dongle (CreDock1, sold separately) to communicate with a computer via a software interface (CredoWare, freely downloadable). The software can be used in any platform (Unix, Windows, Linux) which allows the user to set the sampling rate, time/date, self-start time/date, the limit of high/low alarms, and many more. It can also be used to download time-stamped temperature data and view them in graphical and tabular forms and generate pdf reports.

The CSL-H2T0.2 uses the very commonly available and low-cost CR2477 batteries replaceable via a dedicated battery port. This allows the user to use the unit multiple times. The system uses a (RGB) LED which changes color depending on what the device is indicating/doing. For example, it blinks green every 60s when it is logging data and measuring temperature within the alarm limit. It blinks red every 60s when the temperature goes above the upper limit of the alarm range. Similarly, it blinks blue every 60s when the temperature goes below the lower limit of the alarm range.

The CSL-H2T0.2is ideal for applications that require highly accurate relative humidity and temperature monitoring at an affordable cost. For your application needs, please consult the product manual and application notes. If you do not find what you are particularly looking for, you will always find us at support@credosense.com.

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| **QUANTITY** | **PRICE EACH (CAD)\*** | **ADD TO CART** | |
| 1-100 | 60 | QTY | xxx |
| 100+ | Please contact us |
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\*without taxes, shipping costs, and import duties

**Product Manual**

[Detailed product manual for CSL-H2T0.2 will be available here. Please check back.]

**Software**

[Link to download CredoWare freely will be available here. Please check back.]

**Application Notes**

[Application notes for CSL-H2T0.2 will be available here. Please check back.]

**Customer Reviews**

[Customer reviews for CSL-H2T0.2 will be available here. Please check back to see what our customers say about CSL-H2T0.2]

**Related Products/Accessories**

* Credock1
* CSL-T0.5

For general inquiries related to this product please email: sales@credosense.com.

**READER FOR CSL-SERIES LOGGERS**

**CreDock1**

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| A picture containing black  Description automatically generated | **Key Features**   * Extremely user friendly. * Can be used with any of our CSL-Series loggers. * Offers industry’s fastest data download from loggers – 16,000 data points in just within 3 s. * Allows data downloading and programing even when the logger’s battery is dead. * Allows live monitoring (temperature, relative humidity, etc.) when connected to a logger. * Operating temperature: – 45°C to + 85°C * Should be used with CredoWare (freely available) to program CSL-Series Loggers. * Circular RGB LED indicator for intuitive indication of the system’s function and warning. * Does not requires any battery – should be connected to a computer via a USB cable/port. * Water-resistant casing * Thin and lightweight |

**Product Details**

CreDock1 is a beautifully designed and extremely user-friendly reader for all of our CSL-Series Loggers. You just need one CreDock1 to interface all of CSL-Series loggers. It comes with a 1.5 m long USB cable that should be used to connect it with a computer (Windows, Mac, Linux). It connects with a logger using the USB-C male port for faster communication. CreDock1 needs CredoWare (a freely available software from CredoSense) to interface with loggers for downloading data and program them. You can use the CreDock1 to set time, (high/low) alarms, logging start/end times, logging intervals, and live monitoring of temperature, relative humidity, etc.

The CreDock1 has exceptionally high build quality that can sustain at least 10,000 insert cycles. CreDock1 is a part of affordable sensor-logger systems for applications that requires high accuracy. For your application needs, please consult the product manual and application notes. If you do not find what you are particularly looking for, you will always find us at support@credosense.com.

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| 100+ | Please contact us |
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\*without taxes, shipping costs, and import duties

**Product Manual**

[Detailed product manual for CreDock1 will be available here. Please check back.]

**Software**

[Link to download CredoWare freely will be available here. Please check back.]

**Application Notes**

[Application notes for CreDock1 will be available here. Please check back.]

**Customer Reviews**

[Customer reviews for CreDock1 will be available here. Please check back to see what our customers say about CreDock1]

**Related Products/Accessories**

* CSL-H2T0.2
* CSL-T0.5

For general inquiries related to this product please email: sales@credosense.com.

**SOIL MOISTURE SENSORS**

**CS-SM2 Soil Moisture Sensor**

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| A close up of a sign  Description automatically generated | **CS-SM2 Features**   * Measures volumetric water content of the soil * Accuracy: ±2.5% typical with most soils (soil solution EC < 10 dS/m). Soil-specific calibration can enhance the accuracy. * Measurement range: VWC 0% to saturation * Resolution: 12-bit (0.03%) * Operating Temperature: –40°C to +50°C * Fast response time (2s) * Offers readings directly in volumetric water content * Power Requirement: 3 – 5 VDC * Easy installation (small footprint) * Water-proof design * Should be connected to the CS-DL824 data loggers |

**Product Details**

The CS-SM2 allows user to determine the amount (volume) of water stored in a soil profile or how much irrigation is required to reach a desired amount of water in the soil at a very affordable cost. The sensors are made of industry-grade materials which ensures that they can be used both in industrial applications (for e.g., agriculture) or in research. The sensors are also calibrated with extreme care and tested for a wide range of soils across the globe.

The CS-SM2 can be connected to a cable of maximum 10 m length. The other end of the sensor is connected to a CS-DL824 data logger. Eight CS-SM2 sensors can be connected to a CS-DL824 data logger at the same time which can record volumetric water content data at a maximum of 2s interval. The output of this sensor can also be used in other irrigation controller (relay) systems to determine when and how much to irrigate.

The CS-SM2 is ideal for applications that require accurate soil moisture monitoring at an affordable price. For your application needs, please consult the product manual and application notes. If you do not find what you are particularly looking for, you will always find us at support@credosense.com.

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| QUANTITY | PRICE EACH (CAD)\* | ADD TO CART | |
| 1-100 | 160 | QTY | xxx |
| 100+ | Please contact us |
| Researchers from low-income countries,  please contact for discounted prices | | In Production | |

\*without taxes, shipping costs, and import duties

**Product Manual**

[Detailed product manual for CS-SM2 will be available here. Please check back.]

**Software**

[Link to purchase CredoWareDLC will be available here. Please check back.]

**Application Notes**

[Application notes for CS-SM2 will be available here. Please check back.]

**Customer Reviews**

[Customer reviews for CS-SM2 will be available here. Please check back to see what our customers say about CS-SM2]

**Related Products/Accessories**

* CredoWareDLC (software to program CS-SM2 via CS-DL824 datalogger).
* CS-DL824 data logger

For general inquiries related to this product please email: sales@credosense.com.

**DATA LOGGERS**

**CS-DL824 Data Logger**

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| A close up of a logo  Description automatically generated | **CS-DL824 Features**   * Records data from eight CredoSense sensors (temperature, moisture, pressure, solar radiation, wind speed, rain/snow gauge, flow sensor etc.) * Allows fast (2 s) measurement, logging, and cloud upload. * Very high precision logging (24-bit ADC) * Operating voltage: 3–5 VDC * Long battery life (4 AA batteries) * Works in extreme weather conditions (–40°C to +85°C) * Very easy to setup and use * Indicator LEDs to indicate measurement and logging status and errors * Highly suitable rugged design for outdoor use * High-speed data offloading via USB port |

**Product Details**

The CS-DL824 is a high-precision (24-bit ADC) and rugged data logger with hardware support for cloud upload that offers highly affordable solutions to your outdoor environmental monitoring challenges. It uses very low power allowing you to use even in remote locations with zero maintenance. You can connect to eight different CredoSense sensors for your wide array of needs for monitoring microclimate, agriculture, and ecological and hydrological research. It can also be used as a data logger for your weather stations.

It is fast and allows easy to set up sensor-logger system. With our CredoWareDLC software (sold separately) you can configure the sampling reate of each sensor. The CredoWareDLC is available for the operating system of your choice (Mac, Windows, and Linux) and very easy to set up. You can use CredoWareDLC to download data from CS-DL824 and visualize them both in graphics and tabular forms. Please see CredoWareDLC software product page for details.

The CS-DL824 uses four AA batteries (lithium for winter and alkaline for summer). The system has three LEDs: one for sensor status, one for logging status, and one for battery. The sensor status LED when blinking green every 30 s indicates that the sensors are working correctly, and when blinking red at a similar interval indicates that at least one of the connected sensors are not working correctly. Similarly, the logging status LED when blinking green every 30 s indicates that the data logger is successfully logging sensor measurements, and when blinking red at a similar interval indicates that the data logger is failing to log at least one sensor measurements. This gives users an excellent idea of what’s going on.

The CS-DL824 also has hardware support to upload your valuable data to the cloud so that you can monitor your data/sensors from the comfort of your office. It is ideal for applications that require environmental monitoring at an affordable price. For your application needs, please consult the product manual and application notes. If you do not find what you are particularly looking for, you will always find us at support@credosense.com.

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**Product Manual**

[Detailed product manual for CS-SM2 will be available here. Please check back.]

**Software**

[Link to purchase CredoWareDLC will be available here. Please check back.]

**Application Notes**

[Application notes for CS-SM2 will be available here. Please check back.]

**Customer Reviews**

[Customer reviews for CS-SM2 will be available here. Please check back to see what our customers say about CS-SM2]

**Related Products/Accessories**

* CredoWareDLC (software to program CS-SM2 via CS-DL824 datalogger).
* CS-SM2

For general inquiries related to this product please email: sales@credosense.com.