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tempmate-S1 Manual

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- USB Interface
- Start/Stop + Status Button
- LED Indicators

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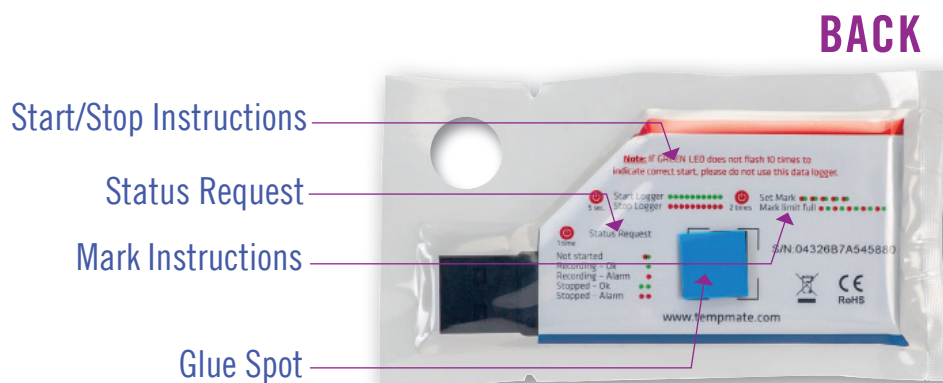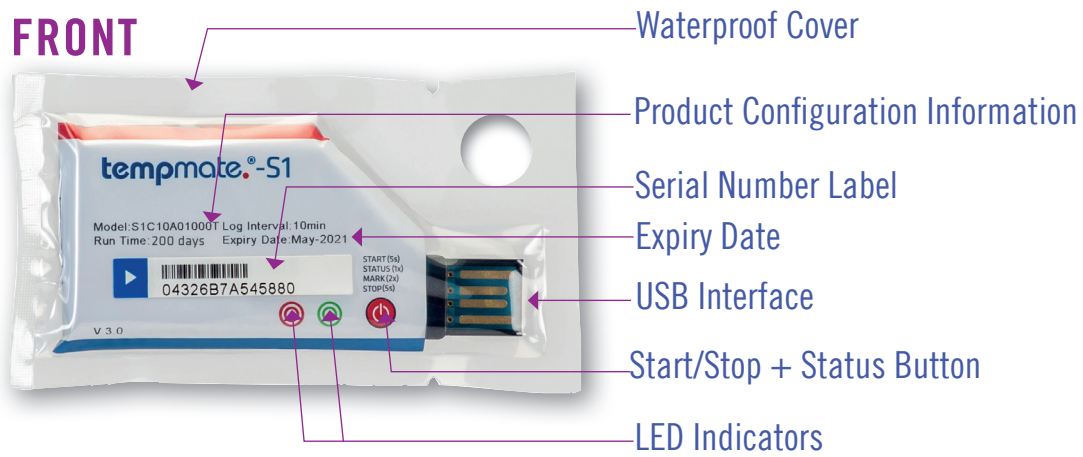
Product Overview

This document describes the correct handling process for tempmate-S1 data loggers, for the purpose to ensure the proper operation and provide a reliable temperature and time record during transportation and storage.

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TECHNICAL SPECIFICATIONS

RECORDING OPTIONS	Single-use
TEMPERATURE RANGE	-30°C to +70°C
TEMPERATURE ACCURACY	±0.2°C (0°C/+60°C); ±0.5°C (others)
TEMPERATURE RESOLUTION	0.1°C
DATA STORAGE CAPACITY	31,200 readings
SHELF LIFE / BATTERY	2 years* / CR2450 button cell
RECORDING INTERVAL	10 minutes (standard)
RECORDING DURATION	200 days
START UP MODE	Button or pre-programmed scheduled start
STOP MODE	Button or pre-programmed scheduled start
PROTECTION CLASS	IP67 / NEMA 6
WEIGHT	15.2g
DIMENSIONS	88mm x 47mm x 8mm (L x W x H)
CERTIFICATIONS	According to EN12830, FCC, CE and RoHS
VALIDATION CERTIFICATE	PDF file in memory and online database
SOFTWARE	PDF or CSV program. Optional: cloud read with the tempmate-Cloud
REPORT GENERATION	Automatic PDF & CSV report
CONNECTION INTERFACE	USB 2.0, A-Type
ALARM CONFIGURATION	Optional, up to 6 points
*Depending on optimal storage conditions (+15°C to +23°C / 45%RH)	

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Operation Instructions

Press button

1. Press and hold for at least 5 seconds to start recording. If the green led flashes 10 times, the start was successful.

Note: If the green led does not flash 10 times to indicate a correct start or the red led flashes 3 times, do not use this data logger.

Status request or set mark (optional)

2. Press button once at any time to check current status of the logger. Double-click button to set a mark in the report. See details of these optional features in the table below.

Press button

3. Keep button pressed for minimum of 5 seconds to stop recording. Then the red led will flash 10 times, which indicates it has successfully stopped.

Note: The logger cannot be stopped within 30 minutes of it being started.

Tear off

4. After stopping record, tear off the transparent plastic cover and connect the logger in the USB port of a computer or laptop. The PDF and CSV report will be generated automatically and can be found in the device's "tempmate" folder.

START / STOP		
Status	**Action**	**LED confirmation**
Start logger	Push button for 5 seconds	Green led flashes 10 times
Set mark	Double-click button	Red led and green led flash 5 times simultaneously
Mark limit full	Double-click button	Red led and green led flash 5 times alternating
Stop logger	Push button for 5 seconds	Red led flashes 10 times

STATUS REQUEST BY PUSHING BUTTON ONCE		
Not started	Push button once	Red led and green led flashes 1 time
Recording - ok	Push button once	Green led flashes once
Recording - alarm	Push button once	Red led flashes once
Stopped - ok	Push button once	Green led flashes twice
Stopped - alarm	Push button once	Red led flashes twice
Low battery	Push button once	Red led flashes 3 times
Scheduled start	Push button once	Red led and green led flashes 2 times alternately

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CERTIFICATE OF VALIDATION

The certificate of validation is available online for each logger. Follow the steps below to access your logger's certificate and retrieve all related documents.

- Hold the tempmate-S1 data logger to the back of your phone.
- The NFC function opens the tempmate certificate database.
- You automatically get access to the validation certificate of your tempmate-S1 data logger and all related documents.

- Open your browser and go to the following page: https://www.tempmate.com/database
- Alternatively you can scan the QR code to get to the page above.
- Enter the serial number of your tempmate-S1 in the search bar and press the "enter" button
- You automatically get access to the validation certificate of your tempmate-S1 data logger.

PLEASE NOTE

- When tempmate-S1 data logger is stopped and connected to the computer for the first time, both LEDs are flashing to indicate the PDF report is in process of generation. At this time, please do not unplug the logger until both LEDs are on, which indicates the finished PDF generation.
- A stopped tempmate-S1 logger cannot be started again.
- Do not place tempmate-S1 logger into corrosive liquid.
- The battery of tempmate-S1 loggers is a non-exchangeable CR2450 lithium battery. Please do not expose to direct heat. Do not place in microwave.
- Store tempmate-S1 loggers under room temperature conditions and do not use it after the expiry date printed on the logger.
- Please recycle or dispose tempmate-S1 loggers in accordance with local laws and regulations.
- Hold the logger against the back of your phone to access the validation certificate of your tempmate-S1 and all associated documents via the NFC function.