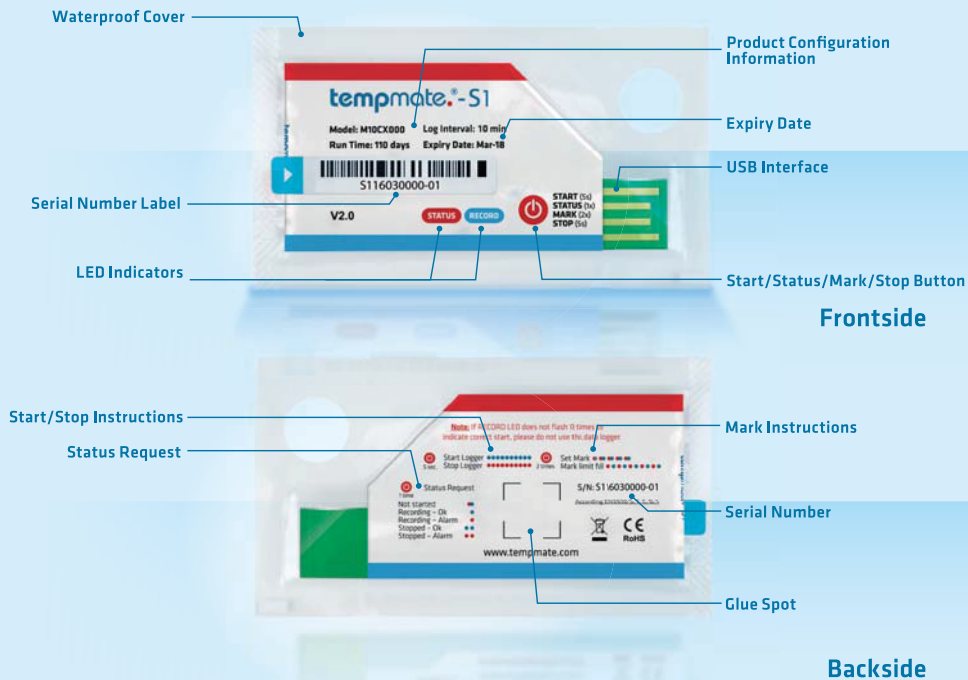


# User Manual – tempmate.®-S1

## Single-Use Temperature Logger



### Product Overview

This document describes specific validation procedures executed for **tempmate.®-S1** data logger, for the purpose to ensure the proper operation of **tempmate.®-S1** data logger and provide a reliable temperature and time record during transportation and storage.

#### Technical Specifications

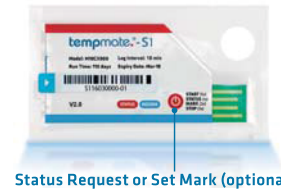
<b>Temperature Unit</b>	Celsius (°C)	<b>Report Type</b>	Encrypted PDF file, CSV
<b>Temperature Range</b>	-30 °C to +70 °C	<b>Data Interface</b>	USB (USB tempmate.® device)
<b>Operating Temperature</b>	-30 °C to +70 °C	<b>Battery</b>	CR2450 lithium battery
<b>Resolution</b>	0.1 °C	<b>Shelf Life</b>	2 years (Expiry Date on frontside)
<b>Accuracy</b>	±0.5 °C (-20 °C to +40 °C) ±1 °C for other range	<b>Supported OS</b>	Windows or Mac
<b>Runtime</b>	Up to 160 days (depending on model)	<b>Time Zone</b>	UTC (UTC = GMT)
<b>Alarm Thresholds</b>	Optional available	<b>Protection Class</b>	IP67 (waterproof)
<b>Programmable</b>	Optional via tempbase.®-D Software (V2.0 or newer)	<b>Size</b>	80.00 mm / 47.3 mm / 7 mm (l/w/h)
		<b>Weight</b>	approx. 15 g
		<b>Storage Conditions</b>	+15 °C to +23 °C / 45% rH to 75% rH

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### Operation Instructions



- 01 Keep button pressed for minimum 5 seconds to start recording. Then **RECORD LED** flashes 10 times, which indicates a successful starting. Tear off serial number label for your reference.



#### Status Request or Set Mark (optional)

- 02 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 tables below.



- 03 Keep button pressed for minimum 5 seconds to stop recording. Then **STATUS LED** flashes 10 times, which indicates a successful stopping.



#### Tear off

- 04 After stopping record, tear off the transparent plastic cover and connect the logger to a USB port of the computer. The PDF and CSV report will be generated automatically and can be found in the device's „tempmate“ folder.

### Operation Indication

#### Start / Stop

Status	Action	LED confirmation
Start Logger	5 sec pushing button	<b>RECORD LED</b> flashing 10 times ●●●●●●●●●●
Set Mark	double-click button	<b>STATUS LED</b> + <b>RECORD LED</b> flashing 5 times ●●●●●
Stop Logger	5 sec pushing button	<b>STATUS LED</b> flashing 10 times ●●●●●●●●●●

#### Status Request by pushing Button 1 time

Status	Action	LED confirmation
Not Started	push button 1 time	<b>STATUS LED</b> + <b>RECORD LED</b> flashing 1 time ●●
Recording – OK	push button 1 time	<b>RECORD LED</b> flashing 1 time ●
Recording – Alarm	push button 1 time	<b>STATUS LED</b> flashing 1 time ●
Stopped – OK	push button 1 time	<b>RECORD LED</b> flashing 2 times ●●
Stopped – Alarm	push button 1 time	<b>STATUS LED</b> flashing 2 times ●●

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