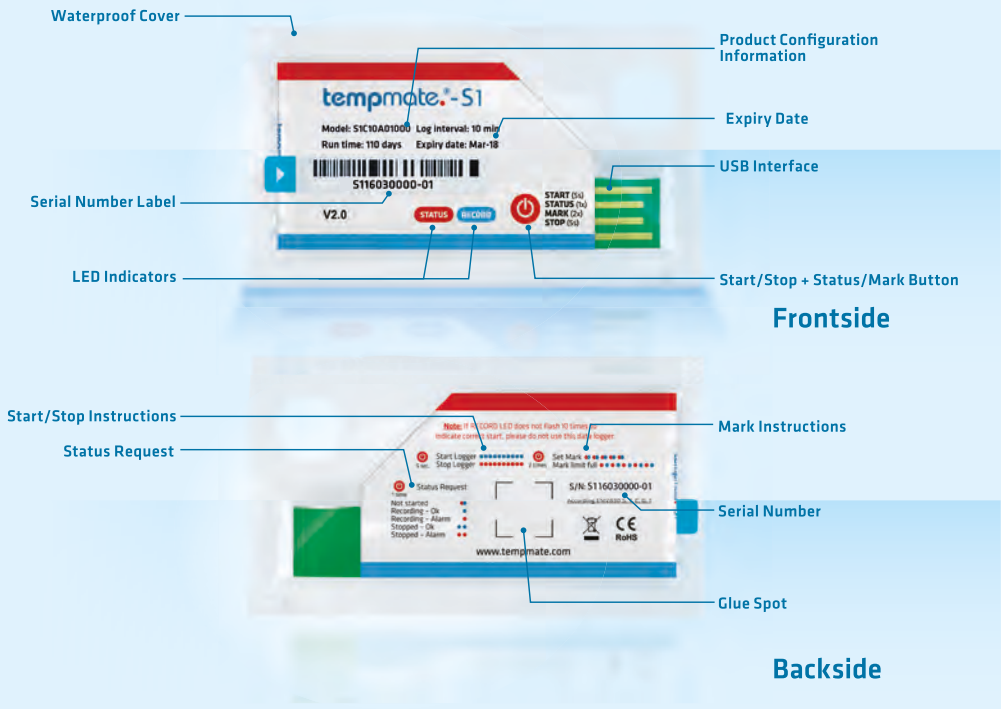
User Manual – tempmate.®-S1

Single-Use Temperature Logger



Product Overview

This document describes specific validation procedures 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.

Technical Specifications

Recording Options	Single-Use
Temperature Range	–30 °C to 70 °C
Temperature Accuracy	±0.5 (–20°C/+40°C); ±1.0 (other range)
Temperature Resolution	0.1 °C
Data Storage Capacity	16.000 readings
Shelf Life / Battery	2 years[1] / CR2450 button cell
Recording Interval	10 minutes (standard, others on request)
Recording Duration	up to 110 days[2] (standard, others on request)
Startup Mode	Button or software
Stop Mode	Button, software or stop when full
Protection Class	IP67 / NEMA 6
Dimensions	83 mm × 47 mm × 7 mm (L × W × H)
Weight	14.6 g

Certifications	EN 12830, CE, RoHS
Validation Certificate	Hardcopy and PDF file in memory
Software	PDF or CSV Reader / **temp**base.®-D optional
Report Generation	Automatic PDF & CSV report
Password Protection	Optional on request
Connection Interface	USB 2.0, A-Type
Alarm Configuration	Optional, up to 5 points
Reprogrammable	With free **temp**base.®-D software
Accessories incl.	Shipping Documents, Certificate, Reprogram Label and Seal-Bag

1 Depending on optimal storage conditions (+15°C to +23°C / 45% to 75% rH)
2 Depending on application temperature (very low / high temperatures may shorten it)

Operation Instructions



01 Keep button pressed for minimum 5 seconds to start recording. Then RECORD LED flashes 10 times, which indicates a successful starting. If STATUS LED is lit for 3 seconds, please do not use the logger (indicating low battery)! Tear off serial number label for your reference.



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.



04 After stopping record, tear off the transparent plastic cover and connect the logger to a USB port of the computer. The PDF ans 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	RECORD LED flashing 10 times
Set Mark	double-click button	STATUS LED + RECORD LED flashing 5 times
Stop Logger	5 sec pushing button	STATUS LED flashing 10 times

Status Request by pushing Button 1 time

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