

DATASHEET

tempmate®-C1

The ultra-low temperature datalogger






MAIN TECHNICAL SPECIFICATIONS tempmate.®-C1

Usage Type	Single-Use (Multiple Start/Stop within 90 days possible)
Monitored Information	Dry Ice / Low Temperature
Dimension [mm]	96 mm x 44 mm x 15 mm (L x W x H)
Weight [g]	42 g
Casing	TBD
Battery	TBD
Temperature Range	-90 °C to +70 °C
Temperature Accuracy	±0,5 °C (-30 °C to +70 °C); ±1.0 °C (other range)
Temperature Resolution	0.1 °C
T90	TBD
Indication / Display	LED indication & Multifunctional LCD
Protection Class	IP 65
Shelf Life	Minimum 24 months*
Connection Interface	USB 2.0, A-Type
Memory Capacity (measurements)	20,000 readings using PDF & CSV (default) 35,000 readings using PDF only (optional)
Run Time	Up to 90 days (depending on temperature range & log interval)
Logging Interval	Default: 10 min.; Programmable: 1 min. - 23h 59min.
Startup Mode	Button, scheduled start, start through tempbase Cryo Software
Stop Mode	Button or through tempbase Cryo Software
Alarm Configuration	Up to 6 alarm limits customizable, single or cumulative via tempbase Cryo Software

OTHER SPECIFICATIONS

Temporary PDF	The PDF Report is available at anytime without stopping the Logger
Conformity	EN 12830, CE, RoHS, RTC-DO-160, MSDS
Validation Certificate	6 points (hardcopy) & PDF in memory
Reprogrammable	Yes, via tempbase Cryo Software
Report Generation	Automatic PDF & CSV report
Password Protection	Optional on request
Backup-Log-Feature	Yes
Accessories incl.	Validation Certificate

* Since environmental influences can affect the lifespan of batteries, we recommend that all our products be stored in the conditions that are optimal for them. In this way, the shelf life given at the time of purchase can be guaranteed.
Optimal storage conditions: +15°C to +23°C / 45% to 75% rH.

A photograph of two female scientists in white lab coats working in a laboratory. They are looking at a tablet held by one of them. In the background, there are computer monitors displaying data, a microscope, and laboratory equipment. The scene is dimly lit with a blue tint.

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PLEASE, contact us for further questions.