

DATASHEET

tempmate®-M1

The easy multi-use temperature datalogger





MAIN TECHNICAL SPECIFICATIONS tempmate.®-M1

Usage Type	Multi-Use
Monitored Information	Temperature
Dimension [mm]	80 mm x 34 mm x 14 mm (L x W x H)
Weight [g]	25 g
Casing	ABS
Battery	CR2032 / replaceable by customer
Temperature Range	−30 °C to +70 °C (−40 °C to +90 °C with ext. Sensor)
Temperature Accuracy	±0.5 °C (−20 °C to + 40 °C)
Temperature Resolution	0.1 °C
T90	30 min (internal sensor) / 5 min (external sensor)
Indication / Display	Multifunctional LCD
Protection Class	IP 67
Battery Life	Minimum 12 months*
Connection Interface	USB 2.0, A-Type
Memory Capacity (measurements)	32,000 readings
Run Time	Up to 90 days (depending on temperature range & log interval)
Logging Interval	Default: 15 min.; Programmable: 10 sec. - 11h 59min.
Startup Mode	Button or by tempbase 2 Software
Stop Mode	Button or by tempbase 2 Software
Alarm Configuration	Up to 5 alarm limits customizable, single or cumulative via tempbase 2 Software

OTHER SPECIFICATIONS

Temporary PDF	The PDF Report is available at any time 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 2 Software
Report Generation	Automatic PDF 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 battery life given at the time of purchase can be guaranteed.
Optimal storage conditions: +15°C to +23°C / 45% to 75% rH.



MAIN TECHNICAL SPECIFICATIONS tempmate.®-M1 Accessory

tempmate.®-M1 External T-Sensor (200010)

Sensor Type	NTC Type B14
Temperature Range	−40 °C to +90 °C
Temperature Accuracy	±0.5 °C (−20 °C to +40 °C); ±1.0 °C (other range)
Temperature Resolution	0.1 °C
Sensor Tip	Stainless Steel (25x5mm)
Sensor Connection	M1-USB Connection
Cable Length	1 m
Cable Diameter	2.8 mm
Cable Material	PVC



A person wearing a white lab coat is holding a white box in their hands. The background is a blurred pharmacy or laboratory setting with shelves containing various bottles and containers. The overall image has a blue tint.

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PLEASE, contact us for further questions.