

tempmate.[®]-M1

➔ Multi-Use PDF USB Data Logger for Cold Chain Temperature Monitoring



➔ Auto generating PDF report

➔ Compact size and IP67 waterproof

➔ GDP and EN12830 compliant

➔ Secure and easy download of encrypted data files



**PHARMACEUTICAL
PRODUCTS**



FOOD & PRODUCE



**TECHNICAL
PRODUCTS**

Intuitive Multi-Use Temperature Logger for reliable low-cost cold chain monitoring.

tempmate.[®]-M1 our best data loggers for temperature recording with internal or external temperature sensor, multifunction display and automatic PDF report generation.



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**USB
connection**



**IP 67
protected**



**Temperature range
-30°C to +70°C**



**EN 12830
Compliant**



**Automatic
PDF report**



**GDP
compliant**

tempmate.®-M1

If temperature matters.



tempmate.®-M1 Accessories



ACB100
Wall mount bracket
for tempmate.®-M1

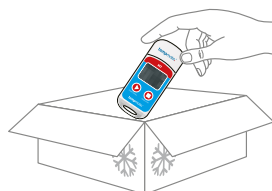


TSN100
External temperature
sensor for tempmate.®-M1

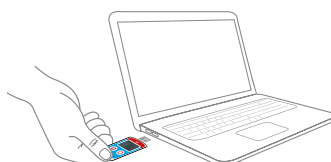
Easy Handling



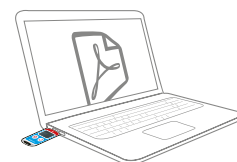
01 Ready to use due to
pre-configuration or
after software setup



02 Attach started tempmate.®
to your shipment



03 Connect stopped logger directly
to USB port



04 Automated PDF report
with all important details

Curious about your cold chain?

tempmate.®-M1 continuously monitors all relevant data.

tempmate.®-M1 loggers are specially designed for temperature monitoring in pharmaceutical cold chain logistics. As pre-programmed device tempmate.®-M1 can be instantly used to control your temperature sensitive consignment. The PDF report created contains detailed information such as data curve, every single measurement as a table and statistical information. With the optional free available tempbase.® software, you can ensure individual logger configuration and detailed data analysis or data management is also possible. Moreover, the device does not require labeling per IATA's Dangerous Goods Regulations.

Your Benefits at a Glance

- + Product-related temperature monitoring along the entire cold chain, in warehouses or fridges
- + Cost-effective and reliable
- + Smart design, intuitive operation
- + Waterproof and food compatible
- + Free available software for individual logger configuration
- + Detailed PDF report including graph and table
- + Multifunction display with battery indicator

Technical Specifications

Temperature Sensor	NTC internal and external optional
Measuring Range	-30°C to +70°C (-40°C to +90°C with ext. Sensor)
Accuracy	±0.5°C (at -20 °C to +40 °C)
T90	5min (internal sensor) / 30s (external sensor)
Resolution	0.1 °C
Data Storage	32,000 values
Display	Multifunction LCD
Start Setting	Manually by pressing button or automatically programmed start time
Recording Time	By customer programmable / up to 12 months

Interval	10sec. up to 11h 59min. (default 15 min.)
Alarm Settings	adjustable up to 5 alarm limits
Alarm Type	Single alarm or cumulative
Battery	CR2032 / replaceable by customer
Dimensions	80mm x 34mm x 14mm (L x W x D)
Protection Class	IP67
System Requirements	PDF Reader
Connection Interface	USB 2.0, A-Type
Certification	12830, validation certificate, CE, RoHS
Software	tempbase.® -D / free download
Interface to PC	integrated USB port
Automatic PDF Reporting	yes



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