

# tempmate.<sup>®</sup>-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.**<sup>®</sup>-M1 our best data loggers for temperature recording with internal or external temperature sensor, multifunction display and automatic PDF report generation.



© tempmate.com



USB  
connection



IP 67  
protected



Temperature range  
-30°C to +70°C



EN 12830  
Compliant



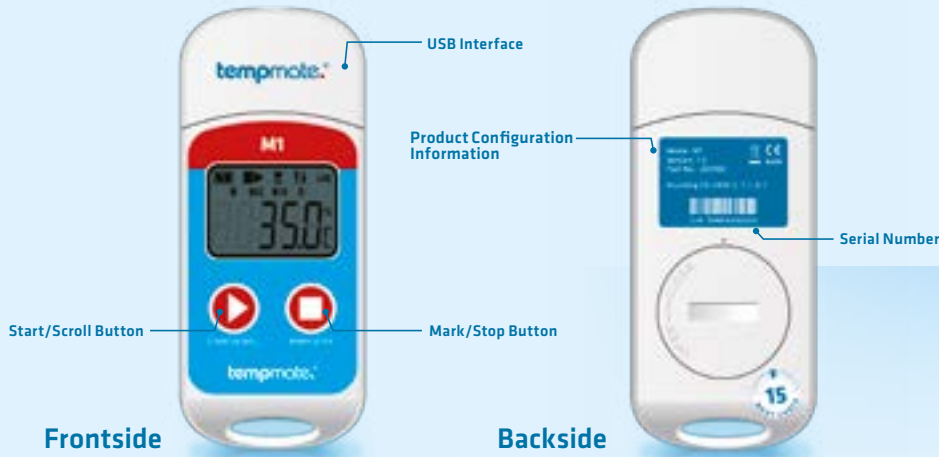
Automatic  
PDF report



GDP  
compliant

# tempmate.<sup>®</sup>-M1

If temperature matters.



## tempmate.<sup>®</sup>-M1 Accessories



**ACB100**  
Wall mount bracket for tempmate.<sup>®</sup>-M1

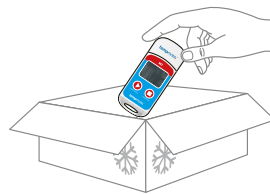


**TSN100**  
External temperature sensor for tempmate.<sup>®</sup>-M1

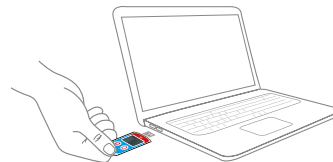
## Easy Handling



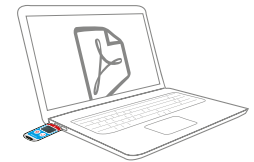
**01** Ready to use due to pre-configuration or after software setup



**02** Attach started tempmate.<sup>®</sup> 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.<sup>®</sup>-M1 continuously monitors all relevant data.

tempmate.<sup>®</sup>-M1 loggers are specially designed for temperature monitoring in pharmaceutical cold chain logistics. As pre-programmed device tempmate.<sup>®</sup>-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.<sup>®</sup> 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

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

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



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