

# tempmate.®-GS

Single-Use Real-Time Temperature & Humidity Data logger for Cold Chain Monitoring



- + Real-Time Monitoring
- + GEO-Location Tracking
- + World-Wide Connectivity
- + Up to 90 Days Operation
- + Preconfigured & Reprogrammable
- + High-Precision T/rH-Sensor
- + Self-Calibrating Sensors



TRANSPORT &  
LOGISTIC



PHARMACEUTICAL  
PRODUCTS



FOOD &  
PRODUCE

## End-to-End Monitoring of the entire Supply Chain.

tempmate.®-GS is the latest real-time monitoring solution on the market, celebrating its world premiere at FRUIT LOGISTICA. Featuring innovative sensor, communication technology, GPS and real-time alerts, it's the most efficient, reliable and cost-effective GSM disposable temperature and humidity data logger. Combined with the convenient tempmate.®-Cloud solution, data can be easily checked, managed and analyzed online. The global connectivity via the GSM network provides permanent monitoring of the entire supply chain. By making it possible to react when a problem occurs during transport or even before, using the new tempmate.®-GS saves time and money. In combination with the tempmate.®-Cloud, it provides a variety of unique features, offering continuous information about the current status of a shipment or equipment.



tempmate-GS.com



Real-Time  
Tracking



IP 67  
Protected



Temperature &  
Humidity



GDP  
Compliant



EN12830  
Compliant



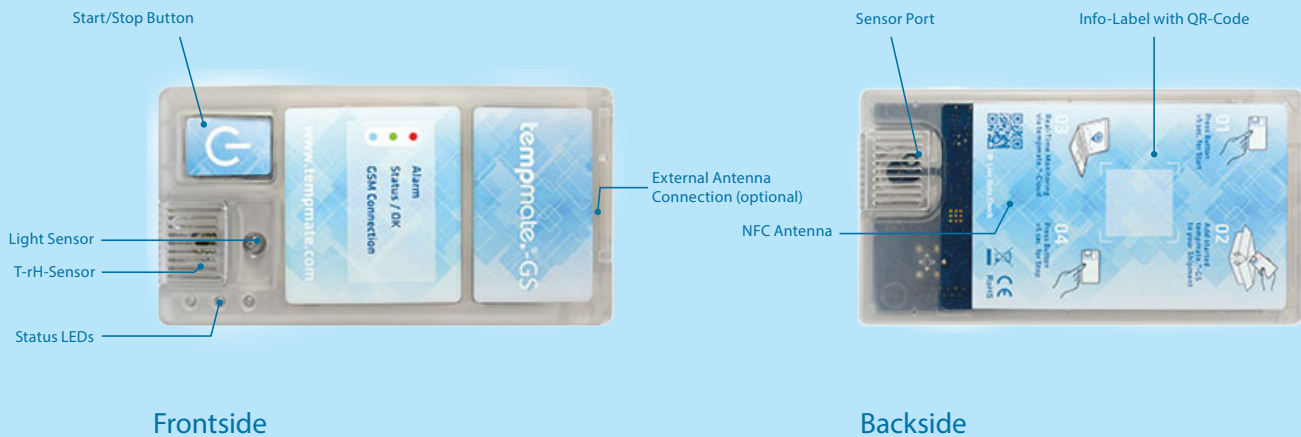
Automatic  
Cloud Upload



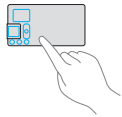
German  
Quality

# tempmate.<sup>®</sup>-GS

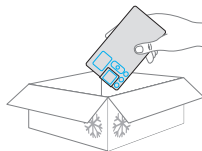
If temperature matters.



## Easy Handling



**01** Preconfigured and ready to use



**02** Add started tempmate.<sup>®</sup>-GS to your Shipment



**03** Real-Time Monitoring via tempmate.<sup>®</sup>-Cloud



**04** Check final Reports with all Details

## Curious about your Cold Chain?

tempmate.<sup>®</sup>-GS continuously monitors all relevant data.

tempmate.<sup>®</sup>-GS loggers are specially designed for temperature and humidity monitoring in any cold chain logistics. With the GSM connectivity you are able to track your shipment and to receive a warning before a problem occurs. The reprogrammable device tempmate.<sup>®</sup>-GS can be instantly used to monitor your sensitive goods. The tempmate.<sup>®</sup>-Cloud helps you for further analysis and reporting, containing detailed information such as data curve, every single measurement as a table and statistical information.



## Your Benefits at a Glance

- + Real-Time Monitoring and Position-Tracking
- + High-Precision and Self-Calibrating Sensors
- + Smart Design, Intuitive Operation
- + Advanced Reporting and Administration via tempmate.<sup>®</sup>-Cloud
- + Intelligent LEDs for Status Monitoring
- + Preconfigured but Reprogrammable before use
- + Predictive Alarms

## Technical Specifications

Recording Options	Single Use
Temperature Range	-40 °C to 90 °C
Temperature Accuracy	±0.2 °C (-40 °C/+90 °C); ±0.3%
Temperature Resolution	<0.1 °C
Data Storage Capacity	Max. 15600 records
Humidity	0 to 100%rH / Accuracy [0..90%rH] < ±2.5%, [90%..100%] < ±3.5%
Resolution Humidity	1%
Ambient Light	0 to 65536lx / Accuracy < 10%
Resolution Ambient Light	1lx
Shelf Life / Battery	2 Years at -25°C to +35°C / 2x CR17450
Recording Interval	10 min Standard
Recording Duration	90 Days in Standard
Startup Mode	Button, Cloud, Timed
Stop Mode	Button, Cloud
Start Delay	Possible 1 Minute to 48 Hours

Protection Class	IP67 / NEMA 6
Dimensions	115/61/26 mm (l/w/h)
Weight	165g
Certifications	CE, EN12830, EMC, RoHS
Validation Certificate	Hardcopy and as PDF in the Cloud
Software	tempbase. <sup>®</sup> -C Cloud
Report Generation	Via GSM, readable in cloud
Password Protection	Cloud Password Protection
Data Transfer	GSM Quad Band
Location	GSM Localization
G Sensor	3-axis 6D-/4D- orientation detectio/ ±16g / Accuracy: < ±2%
Alarm Configuration	Up to 6 thresholds, Alarm delay programmable
Programmable	Cloud or via NFC (PC Software and Interface)
Alarm Type	Visual / by Mail ( Cloud)
Storage Temperature	-25°C to +35°C (room temperature suggested)
Case Material	Polycarbonate



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