Global Monitoring of all Data in Real Time
HQ-Sensors including Location and GSM Connectivity
Ready for immediate use, can be programmed via the Cloud

tempmate.®-GS
Real-Time Data Logger for Temperature, Humidity, Light, Impact and Location

Stay Online and Well-Informed to Avoid Unpleasant Surprises:
Supply Chain Monitoring 4.0

Global Monitoring of all Data in Real Time
HQ-Sensors including Location and GSM Connectivity
Ready for immediate use, can be programmed via the Cloud
End-to-End Monitoring of the Entire Supply Chain

Real-Time Tracking
Thanks to GSM and cloud support, you can check the status of your goods at any time. With the help of highly sensitive sensors the alarm messages are sent immediately. Regardless of whether you wish to monitor temperature, humidity, impact or incidence of light.

Predictive Alert
With the help of intelligent settings of several alarm limit values, negative trends can be detected and eliminated in time before it is too late.

Available Worldwide*
The built-in SIM card provides with worldwide GSM connectivity, which is completely flexible, without a contract term and, moreover, data volume is included. Continuous live monitoring is guaranteed.

End-to-End Monitoring of the Entire Supply Chain
With tempmate.®-GS you can monitor your goods in real time directly after dispatch till the delivery and simultaneously to have a record of all relevant measurement data. This ensures that temperature and humidity limit values are observed. In case if light (e.g., if a package is opened) or impact (e.g., dropping of goods) will occur they will be also recorded and alarms will be sent in real time. Since the location is also traced via GSM, the actions can be taken on time. Devices can be conveniently configured, managed and monitored in real time with the help of tempmate.®-Cloud.

Simple Configuration
If preconfigured parameters do not meet your requirements, they can be adjusted with just a few clicks in the tempmate.®-Cloud.

All-In-One
A “carefree” solution without hidden additional costs: hardware, Cloud access, SIM chip (worldwide coverage*) and data package are all included in the price.

Wide Range of Application
With the help of various sensors and the high quality of components, the logger can not only measure the ambient variables with a high degree of accuracy but it also sends a notification if a package was opened or dropped, for example. You can rely on the device and be sure that your goods will be delivered in a perfect condition.

Available Worldwide* The built-in SIM card provides with worldwide GSM connectivity, which is completely flexible, without a contract term and, moreover, data volume is included. Continuous live monitoring is guaranteed.

Global* GSM connectivity means that tracking and monitoring is possible in real time.

End-to-End Monitoring of the Entire Supply Chain

Thanks to GSM and cloud support, you can check the status of your goods at any time. With the help of highly sensitive sensors the alarm messages are sent immediately. Regardless of whether you wish to monitor temperature, humidity, impact or incidence of light.

Check the status of your goods comfortably and reliably from any location with the help of tempmate.®-Cloud.

* the complete list of covered countries is available on request.

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Always Up-to Date
Directly after starting it will be checked if a new firmware is available. In spite of how old the device is, the firmware will be always up-to-date.

Smart Power Management
Intelligent power management ensures a battery life time for 90 days with the standard settings, even with icy temperatures (up to -30°C) or with high heat (up to +70°C). Additionally, integrated batteries were optimised for transportation by air.

Available Worldwide*
The embedded Quad band modem guarantees worldwide* connectivity. In addition to measurement values of the data logger, a location will be recorded and transmitted with the help of the Cell ID.

Self-Calibrating Digital Sensor
Thanks to an embedded heating element, the hybrid sensor for temperature and humidity is able to create its own reference in order to calibrate itself. Therefore, subsequent calibration will be not necessary. As a result will be unprecedented and long-lasting accuracy!

The Latest Hardware and the Most Up-to-Date Technology

NFC-Antenna
The embedded NFC-Chip offers future-oriented connection via a smartphone or NFC-reader (optional).

Smart Button
The smart button is pressure-sensitive and prevents from accidental starting/ stopping.

Light-Sensor
Any change of light, for example, if the package was opened, will be detected. This prevents product piracy and ensures an alarm is emitted in the case of light-sensitive goods.

Temperature and humidity
The external high-performance temperature/humidity sensor measures the ambient temperature with an accuracy of ±0.2°C. The optimal air circulation around the sensor helps to ensure maximum accuracy and quick response times.

Impact
Damages can be traced back by using intelligent impact detection

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tempmate.®-GS offers real-time monitoring which is up-to-date with latest developments. The cutting-edge technology combined and approved quality of German engineering form the basis of this innovative and reliable device. We call it “Cold Chain Monitoring 4.0”. With tempmate.®-GS you are able to take actions in time and save your goods before it is too late! If necessary, a replacement of goods can be organised in a short time so that a delivery deadline will be met despite of a loss of goods. Lost or damaged shipment can be located and culprits can be clearly defined. Therefore, warranty claims will be fulfilled. All relevant measurement data can be continuously recorded by using tempmate.®-Cloud. Recorded data can be easily shared with others via a link or an email. No additional software is required, just a web browser with Internet access. Your data is securely protected against access from third parties and is saved in the Cloud. Databases are saved in multiply secured server centres in EU/DE. Data protection and data integrity regulations are obeyed - we offer maximum security. You remain in complete control of costs as there are no additional “hidden” charges. You purchase your device for a fixed price. The Cloud, mobile data, alarms and all functions are included. It does not matter where you want to send your shipment, you can be assured that tempmate.®-GS is ready for operation worldwide*. 

* the complete list of covered countries is available on request.
### Simple in use

1. **Preconfigured and ready to use**
2. **Add active tempmate.®-GS to your shipment**
3. **Real-Time Monitoring via tempmate.®-Cloud**
4. **Check final Reports with all Details**

### Technical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recording Options</strong></td>
<td>Single Use</td>
</tr>
<tr>
<td><strong>Temperature Range</strong></td>
<td>-30°C to +70°C</td>
</tr>
<tr>
<td><strong>Temperature Accuracy</strong></td>
<td>±0.2°C for -25°C to +60°C, ±0.5°C for other ranges</td>
</tr>
<tr>
<td><strong>Temperature Resolution</strong></td>
<td>0.1°C</td>
</tr>
<tr>
<td><strong>Data Storage Capacity</strong></td>
<td>Max. 15,600 Records</td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>0% to 100% RH, Accuracy: [0 - 90% RH] &lt; 2.5%, [90% - 100%] &lt; 3.5%</td>
</tr>
<tr>
<td><strong>Resolution Humidity</strong></td>
<td>1%</td>
</tr>
<tr>
<td><strong>Ambient Light</strong></td>
<td>0% to 16000 lx, Accuracy: &lt; 10%</td>
</tr>
<tr>
<td><strong>Resolution Ambient Light</strong></td>
<td>1 lx</td>
</tr>
<tr>
<td><strong>Shelf-Life / Battery</strong></td>
<td>2 years from -25°C to +35°C / 2 x CR17450</td>
</tr>
<tr>
<td><strong>Recording Interval</strong></td>
<td>10 min Standard</td>
</tr>
<tr>
<td><strong>Recording Duration</strong></td>
<td>90 Days Standard</td>
</tr>
<tr>
<td><strong>Startup Mode</strong></td>
<td>Button</td>
</tr>
<tr>
<td><strong>Stop Mode</strong></td>
<td>Button</td>
</tr>
<tr>
<td><strong>Start Delay</strong></td>
<td>Possible 1 minute to 48 hours</td>
</tr>
<tr>
<td><strong>Case Material</strong></td>
<td>Polycarbonate</td>
</tr>
<tr>
<td><strong>Protection Class</strong></td>
<td>IP67</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>113/59/24 mm (l/w/h)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>132g</td>
</tr>
<tr>
<td><strong>Certifications</strong></td>
<td>CE, EN12830, EMC, RoHS</td>
</tr>
<tr>
<td><strong>Validation Certificate</strong></td>
<td>Available as PDF in the Cloud</td>
</tr>
<tr>
<td><strong>Software</strong></td>
<td>tempmate.®-Cloud</td>
</tr>
<tr>
<td><strong>Report Generation</strong></td>
<td>Readable in the Cloud</td>
</tr>
<tr>
<td><strong>Password Protection</strong></td>
<td>Cloud Password Protection</td>
</tr>
<tr>
<td><strong>Connection Interface</strong></td>
<td>GSM Quad Band</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>GSM Localization</td>
</tr>
<tr>
<td><strong>G Sensor</strong></td>
<td>3-axis 6D- or 4D- Orientation Detection, ±16 g, Accuracy: &lt; 2%</td>
</tr>
<tr>
<td><strong>Alarm Configuration</strong></td>
<td>Up to 6 thresholds, Alarm Delay Programmable</td>
</tr>
<tr>
<td><strong>Programmable</strong></td>
<td>Via Cloud</td>
</tr>
<tr>
<td><strong>Alarm Type</strong></td>
<td>Single / Cumulative</td>
</tr>
<tr>
<td><strong>Storage Temperature</strong></td>
<td>-25°C to +35°C (Room Temperature Suggested)</td>
</tr>
</tbody>
</table>

*1) Ambient Light Sensor: -25°C to +70°C

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