



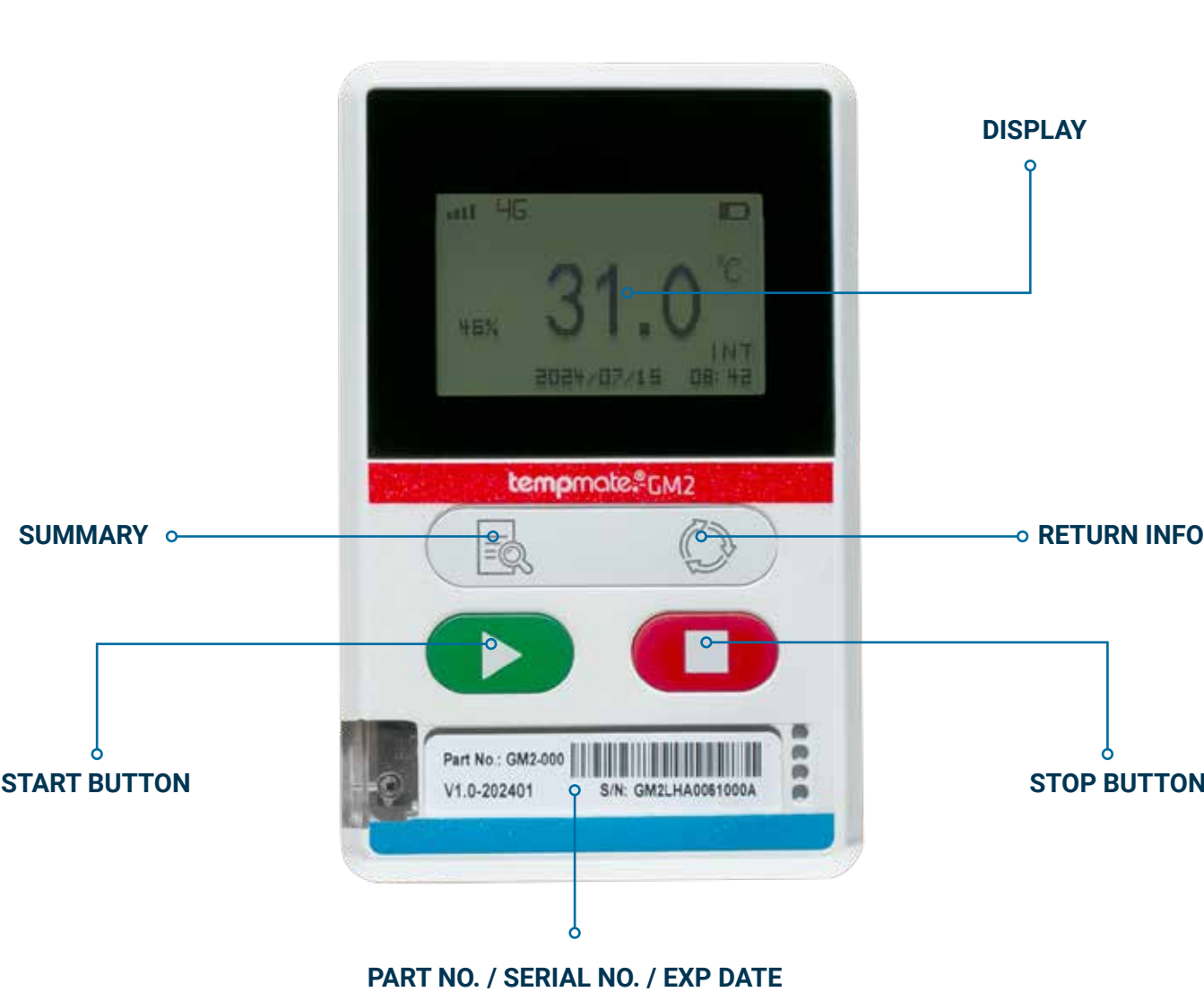
BROCHURE

# tempmate.®-GM2

The multi use real-time solution.



tempmate.®-GM2



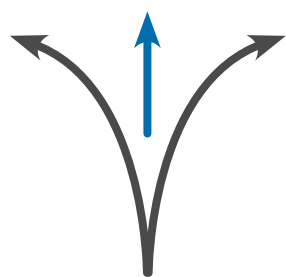
**SENSOR BRACKETS** with external sensor to expand temperature range and/or to increase the distance between the measuring point and the readout location.

AVAILABLE SENSORS:  
**TNO** Temp. Range: -40 to +80 °C  
**TXO** Temp. Range: -200 to +100 °C



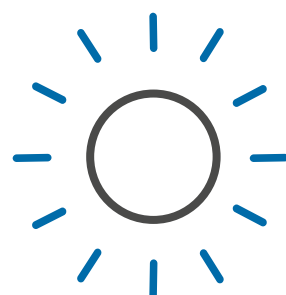
**WALL MOUNT BRACKET** without external sensor to mount the device for stationary monitoring.

## Benefits



### FLEXIBILITY

The tempmate.®-GM2 not only monitors the temperature of your goods, but is also your reliable partner in humidity, light incidence, tilt, shock, localisation and extreme temperature ranges from -200°C to +100°C. With this reusable device, you also have the flexibility to choose between stationary or mobile monitoring and benefit from the automatic flight mode, allowing you to choose your own means of transportation.



### CAREFREE

Manage everything in one place without compromising your security. In the tempmate.®-cloud, only you decide who gets access to the evaluations by using the user administration management to protect your sensitive data. Make your settings and this solution will do the rest for you. The perfect synergy between hardware and tempmate.® cloud keeps you up to date and alerts you in good time if action is required.



### REUSABLE

Use the tempmate.®-GM2 as often and as long as you like. Monitor your goods autonomously for up to 120 days or use the stationary monitoring with external power supply permanently. This is not only good for the environment, it is also good for your finances, as frequent replacements are no longer a problem for you and your purchasing team. The matching wall bracket allows you to easily attach the device for stationary and mobile use.



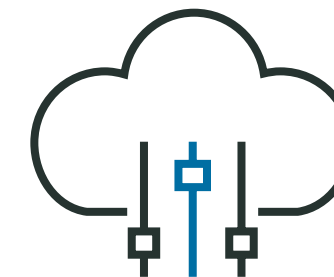
### SUSTAINABLE

The tempmate.®-GM2 not only protects the environment through its reusability. In order to maintain the quality of your goods, this device can also be recertified and recalibrated. In addition, we guarantee 2 years of battery life without loss of performance. This allows you to maintain the perfect balance between resource-saving processes and maximum performance while also protecting your internal resources.



### WORLDWIDE

Thanks to state-of-the-art communication technology, this device offers you worldwide\* LTE 4G connectivity with a 2G fallback to avoid network-related outages. The integrated automatic flight mode even makes air transport possible. In addition, with the data package already set up, you achieve worldwide\* connectivity without having to deal with additional third-party contract costs or long contract terms.



### CLOUD-BASED

Using the tempmate.®-GM2 you get access to the tempmate.®-cloud, which you can use to parametrise your devices and manage all your data in one place - without touching your internal networks or hardware. You do not need to install anything, a simple Internet access is sufficient to fully benefit from this solution. Prevent data loss by managing everything securely and automatically in your cloud account.

\*Contact us for information on exact national coverage.

## Q&A



### CONFUSED BY THE PRODUCT JUNGLE OF SUPPLY CHAIN MONITORING?

Now daily work will become easier. With the tempmate.®-GM2 you get an all-in-one solution for monitoring temperature, relative humidity, light incidence, shock, tilt and location. In addition, with this solution you have the free choice of stationary or mobile monitoring. Why juggle different products when you can have it all in one?



### DO YOU INVEST A LOT OF TIME, MONEY AND NERVES IN MONITORING YOUR CONSIGNMENTS?

Save the resources with the tempmate.®-GM2. Registration and configuration are done with just a few clicks and the bothersome read-out of devices is no longer necessary. You already know whether limit values have been exceeded - thanks to the integrated live alerting.



### HAVE YOUR GOODS SUFFERED ANY DAMAGE DURING TRANSPORT?

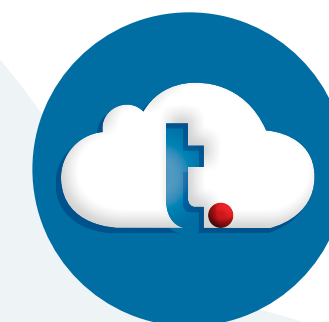
Experience round-the-clock security with the tempmate.®-GM2. Thanks to the integrated light sensor, you are notified live if one of your parcels is opened unscheduled. The shock and tilt sensor inform you about falls and shocks. Additionally, you can always track where your goods are - everything in the tempmate.®-Cloud.



### ARE ALL MY DATA REALLY SECURE?

The tempmate.®-Cloud comes with several features to secure the safety of your sensitive data. Secure and certified servers provide you with a secure base for your data management. In addition, you alone decide who gets access to your account using the user management.





## tempmate.® - Cloud

The tempmate.®-GM2 offers you the possibility to perform the worldwide\* real-time monitoring of all relevant data. While the hardware records all important parameters at the desired location, you have a full overview of current and past processes from your PC. This not only ensures your quality standards, but also simplifies and optimizes your internal processes and resources.

Thanks to global\* connectivity and cloud support, you have the ability to track the condition of your goods at any time. By setting individual alarm limits, you are alerted in real-time. Damage can therefore be clearly localized and identified. With continuous use, you can optimize your transport routes and internal processes.

Configuration, hardware- and data management in one place - that's what the tempmate.® cloud makes possible.

### YOUR ADVANTAGES AT A GLANCE:

- > Full control over the transport or local influences
- > User-friendly interface
- > Cost savings due to early alert
- > Individual configuration for every device
- > Centralised device administration
- > Simple user management
- > Detailed transport overview

**LEARN MORE**

Click or scan to learn more.







Main Technical Specifications tempmate.®-GM2

Usage Type	Multi-Use + Rechargeable
Monitored information	Temperature, rel. Humidity, Light, Tilt, Shock, Location
Temperature Range	-30°C to +70°C (-40°C to +80°C with ext. Sensor GM2-TN0) (-200°C to 100°C with ext. Sensor GM2-TX0)
Temperature Accuracy	±0.5°C (-20°C ~ 40°C) , ±1°C (Other)
Temperature Resolution	0.1°C
Humidity Range	5%~95%RH
Humidity Accuracy	±3%(20%~80%RH); ±5% for other range
Resolution Humidity	1%
Ambient Light	0 to 52000 lx / Accuracy 1 lx
Resolution Ambient Light	1 lx
Shock Indicator	Shock detection (8 indicator ranges)
Tilt Indicator	Tip-over detection (change of tilt > 90°)
Local Data Storage Capacity	50.000 readings
Battery	Lithium Battery: Li-ion battery 3500mAh (rechargeable)
Power supply	Optional available (5V-1A)
Connection	Mirco USB port for charging and PDF download
Log Interval	User-defined: 1 min. to 60 min. (10 min. as standard setting pre-configured)
Transmission Interval	User-defined: 10 min. to 1440 min. (120 min. as standard setting pre-configured)
Recording Duration	Up to 120 days
Startup Mode	Start by Button / Start by the Cloud
Stop Mode	Stop by Button / Stop by the Cloud
Start Delay	User-defined: 0min. to 1440min. (No start delay as standard setting pre-configured)
Protection Class	IP65
Display	Multifunction Display
Dimensions	103 mm x 65,6 mm x 18,5 mm
Weight	160 g

Certifications	CE, EN12830, RoHS, FCC, UN38.3, DO-160G
Validation Certificate	Available as PDF in the Cloud
Software	tempmate.®-Cloud
Report Generation	Readable in the Cloud and locally in the device through the USB 2.0 interface
Connectivity	Global LTE 4G/5G, fallback 2G network
Automatic Flight Mode	Automatic Flight Detection (no Transmission; Airline Approvals available)
Location	LBS - GSM Localization
Alarm Thresholds Configuration	Up to 6 Thresholds for temperature + up to 3 for Light, 1 for Tilt, 1 for Shock, Alarm Delay programmable
Programmable	By the Cloud
Alarm Type	Single / Cumulative
Recommended Storage Temperature	+15°C to +30°C
Case Material	Polycarbonate
Bracket	Available as optional

Main Technical Specifications tempmate.®-GM2 Accessories

tempmate.®-GM2 External Sensor (-40°C to +80°C)

Sensor	GM2-TN0
Temperature range	-40°C to +80°C
Temperature Accuracy	±0.5°C (-20°C ~ 40°C) , ±1°C (Other)
Temperature Resolution	0.1°C
Sensor Tip	40 mm
Cable length	1 m
Cable Diameter	2 mm
Cable Material	PVC

tempmate.®-GM2 External Sensor (-200°C to +100°C)

Sensor	GM2-TX0
Temperature range	-200°C to +100°C
Temperature Accuracy	±0.5°C (-20°C ~ 40°C) , ±1°C (Other)
Temperature Resolution	0.1°C
Sensor Tip	60 mm
Cable length	1 m
Cable Diameter	3 mm
Cable Material	PFTE

► Additional brackets are also available for mounting the device without additional sensors.



## ETHICAL & SUSTAINABLE

This mission statement sets out the company's purpose and values, as well as the business principles that dictate our work. We achieve our goals together. We are guided by our desire to act ethically, sustainably and responsibly towards humanity and the environment.

Developing our existing technology and connecting them digitally to make them more economical, accurate and future-proof – this is our goal with tempmate.®. We want to make the production, pre-production and downstream processes even more efficient and sustainable.

## LIVING BY COLLECTIVE VALUES

We draw our strength from the constructive and respective co-operation between the management board and all members of staff. We approach new projects and new tasks with courage and determination. We train our employees and help them to grow over the long term. We encourage our employees to think for themselves so that they can create new innovations for our customers.

Courage is a challenge that we are constantly setting ourselves. Our actions are shaped by our respect and appreciation of humanity and the environment. With each new product, we are integrating more and more sustainable elements and avoiding wasting important resources. Our solutions create freedoms rather than dependencies.

Our customers are at the heart of our daily work and our shared success is what matters most. Appreciation is more than just a word for us – it is what sets all employees at tempmate.® apart.

We stand for enthusiasm and mutual trust, for a positive, friendly atmosphere, for reliability and entrepreneurial spirit and for action at all levels.

We are striving towards a long-term relationship with our business partners, and one that is shaped by fairness, trust and reliability. We achieve our goals together and are reducing waste across all sectors.

Andreas Stoll  
CEO






## CONTACT INFORMATION



Do you have any questions? Please contact us - our experienced team will be happy to support you.

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