

signatrol



TEMPMATE-GS

REAL-TIME DATA LOGGER FOR TEMPERATURE, HUMIDITY, LIGHT, IMPACT AND LOCATION

Stay online and well-informed to avoid unpleasant surprises with the tempmate-GS. The data logger provides global monitoring in real time, can be programmed easily via the tempmate Cloud and is available for immediate use.

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END-TO-END MONITORING OF THE ENTIRE SUPPLY CHAIN

▶ REAL-TIME TRACKING

▶ PREDICTIVE ALERT

▶ AVAILABLE WORLDWIDE

▶ END-TO-END MONITORING
OF THE ENTIRE SUPPLY CHAIN

▶ SIMPLE CONFIGURATION

▶ ALL-IN-ONE

▶ WIDE RANGE OF APPLICATION

▶ GLOBAL* GSM CONNECTIVITY

Thanks to GSM and cloud support, the real time tracking means 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. Global GSM connectivity means that tracking and monitoring is possible in real time. You can check the status of your goods comfortably and reliably from any location with the help of tempmate cloud.

It has a 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. 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.

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 of 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. If preconfigured parameters do not meet your requirements, they can be adjusted with just a few clicks in the tempmate cloud.

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

THE LATEST HARDWARE AND THE MOST UP-TO-DATE TECHNOLOGY

SMART POWER MANAGEMENT

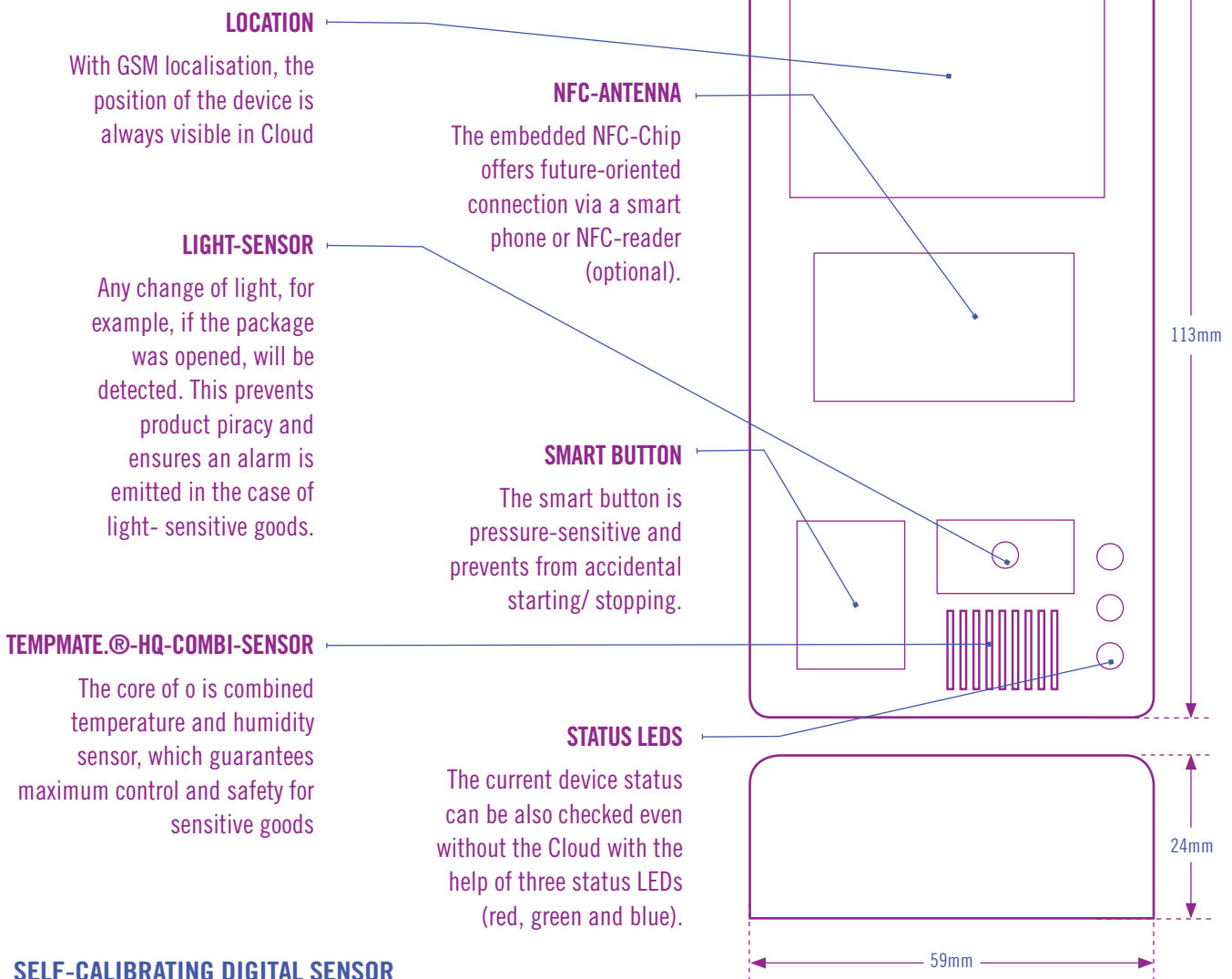
Intelligent power management ensures a battery life time for 90 days with the standard settings, even with icy temperatures (up to -30°C) or with high heat (up to +70°C). Additionally, integrated batteries were optimised for transportation by air.

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.

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.



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!

TEMPERATURE AND HUMIDITY

The external high-performance temperature/humidity sensor measures the ambient temperature with an accuracy of $\pm 0.2^{\circ}\text{C}$. 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

TECHNICAL SPECIFICATIONS

RECORDING OPTIONS	Single Use
TEMPERATURE RANGE *1)	- 30°C to +70°C
TEMPERATURE ACCURACY	±0.2°C (-25°C/+60°C), others ±0.5°C
TEMPERATURE RESOLUTION	0.1°C
DATA STORAGE CAPACITY	Max. 15,600 Records
HUMIDITY	0 to 100%rH / Accuracy [0..90%rH] < ±2.5%, [90%..100%] < ±3.5%
RESOLUTION HUMIDITY	1 %
AMBIENT LIGHT	0 to 16000lx / Accuracy < 10%
RESOLUTION AMBIENT LIGHT	1 lx
SHELF-LIFE / BATTERY	2 Years at - 25°C to + 35°C / 2 x CR17450
RECORDING INTERVAL	10 min Standard
RECORDING DURATION	90 Days Standard
STARTUP MODE	Button
STOP MODE	Button
START DELAY	Possible 1 Minute to 48 Hours
CASE MATERIAL	Polycarbonate
PROTECTION CLASS	IP67
DIMENSIONS	113/59/24 mm (l/w/h)
WEIGHT	132g
CERTIFICATIONS	CE, EN12830, EMC, RoHS
VALIDATION CERTIFICATE	Available as PDF in the Cloud
SOFTWARE	tempmate cloud
REPORT GENERATION	Readable in the Cloud
PASSWORD PROTECTION	Cloud Password Protection
CONNECTION INTERFACE	GSM Quad Band
LOCATION	GSM Localisation
G SENSOR	3-axis 6D-/4D- Orientation Detection/ ±16 g / Accuracy: < ±2 %
ALARM CONFIGURATION	Up to 6 thresholds, Alarm Delay Programmable
PROGRAMMABLE	Via Cloud
ALARM TYPE	Single / Cumulative
STORAGE TEMPERATURE	-25 °C to +35 °C (Room Temperature Suggested)

Every effort has been taken to ensure the accuracy of this specification and we reserve the right of amendment without prior notice.

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