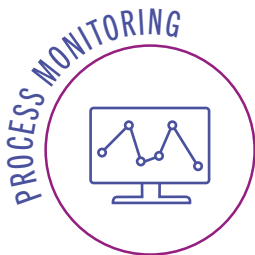


signatrol



TEMPMATE-GS2

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

Stay online and well-informed to avoid unpleasant surprises with the Tempmate-GS2. 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
- ▶ SIX MODEL VARIANTS (3 VERSIONS EACH WITH TWO BATTERY OPTIONS)

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 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-GS2 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) alarms will also be 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, for example. You can rely on the device and be sure that your goods will be delivered in a perfect condition.

The tempmate-GS2 can be started and stopped up to three times but the total logging period cannot exceed 120 days.

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

SMART POWER MANAGEMENT

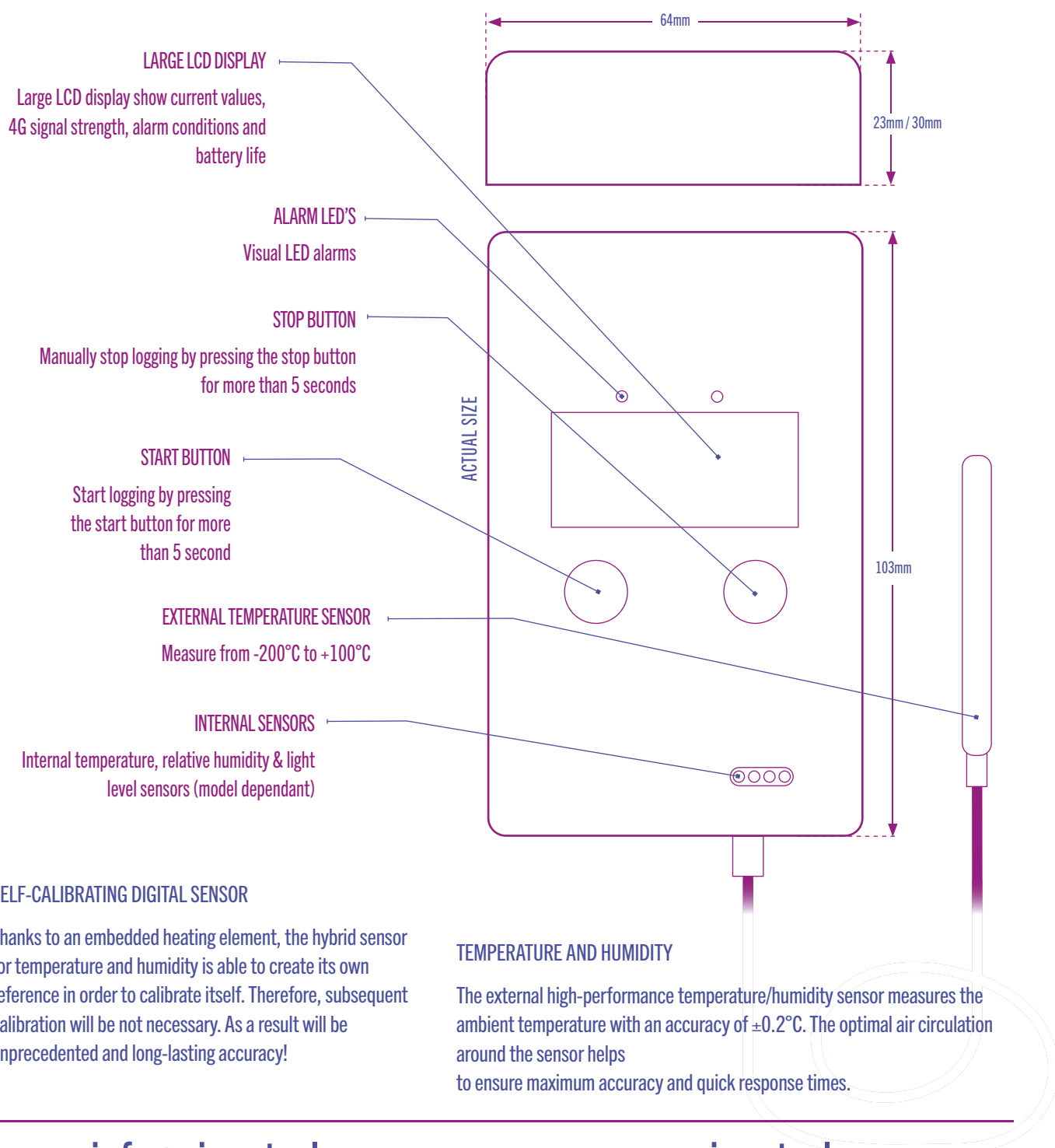
Intelligent power management ensures a battery life time for 90 days with the standard settings, even with icy temperatures (up to -30°C) or with high heat (up to $+70^{\circ}\text{C}$). Additionally, integrated batteries were optimised for transportation by air.

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.



TECHNICAL SPECIFICATIONS - TEMPMATE GS2

BATTERY TYPE	All the variation available in Lithium and Non-Lithium option
TEMPERATURE RANGE	-30°C to +70°C
TEMPERATURE ACCURACY	±0.3°C (-10°C ~ 45°C) , ±0.5°C (Other)
TEMPERATURE RESOLUTION	0.1°C
AMBIENT LIGHT	0 to 10000lx / Accuracy 0.01lx
RESOLUTION AMBIENT LIGHT	0.01 lx
LOCAL DATA STORAGE CAPACITY	24,200 values for Temperature and Light
SHELF-LIFE	Lithium Battery devices: 12 months shelf life Non-Lithium Battery devices: 6 months shelf life
BATTERY	Lithium Battery: Li-ion Polymer Battery 2400mAh Non-Lithium Battery: Ni-MH Battery 2000 mAh
EXTERNAL SENSOR	Available with the TE Model
LOG INTERVAL	User defined: 1 min. to 60 min. (10 min. as standard setting preconfigured)
TRANSMISSION INTERVAL	User defined: 10 min. to 1440 min. (60 min. as standard setting preconfigured)
RECORDING DURATION	Lithium Battery: 120 days (with standard log interval of 10 min. and transmission interval of 240 min.) Non Lithium Battery: 90 days (with standard log interval of 10 min. and transmission interval of 240 min.)
STARTUP MODE	By default start by button
STOP MODE	By default stop by button (optionally via the USB port or the cloud platform)
START DELAY	User defined: 0 min. to 1440 min. (No start delay as standard setting preconfigured)
PROTECTION CLASS	IP65
DIMENSIONS	103 x 64 x 23 mm for Lithium and 103 x 64 x 30 mm for Non-Lithium
WEIGHT	130 g for Lithium and 175 g for Non-Lithium
CERTIFICATIONS	CE, EN12830, EMC, RoHS, FCC
VALIDATION CERTIFICATE	Available as PDF in the Cloud
REPORT GENERATION	Readable in the Cloud and locally in the device through the USB 2.0 interface
CONNECTIVITY	LTE 4G cat 1 with 2G fallback
LOCATION	LBS - GSM Localization
ALARM CONFIGURATION	Up to 6 Alarm for temperature + up to 3 Alarm for light, Alarm Delay Programmable
ALARM TYPE	Single / Cumulative
CASE MATERIAL	Polycarbonate

TECHNICAL SPECIFICATIONS - TEMPMATE GS2

BATTERY TYPE	All the variation available in Lithium and Non-Lithium option
TEMPERATURE RANGE	-30°C to +70°C
TEMPERATURE ACCURACY	±0.3°C (-10°C ~ 45°C) , ±0.5°C (Other)
TEMPERATURE RESOLUTION	0.1°C
HUMIDITY RANGE	0% to 100%rH
HUMIDITY ACCURACY	±3% (20% ~ 80%) , ±5% (Other)
RESOLUTION HUMIDITY	1%
AMBIENT LIGHT	0 to 10000lx / Accuracy 0.01lx
RESOLUTION AMBIENT LIGHT	0.01 lx
LOCAL DATA STORAGE CAPACITY	24,200 values for Temperature and Light
SHELF-LIFE	Lithium Battery devices: 12 months shelf life Non-Lithium Battery devices: 6 months shelf life
BATTERY	Lithium Battery: Li-ion Polymer Battery 2400mAh Non-Lithium Battery: Ni-MH Battery 2000 mAh
EXTERNAL SENSOR	Available with the TE Model
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LOCATION	LBS - GSM Localization
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ALARM TYPE	Single / Cumulative
CASE MATERIAL	Polycarbonate

TECHNICAL SPECIFICATIONS - TEMPMATE GS2

BATTERY TYPE	All the variation available in Lithium and Non-Lithium option
TEMPERATURE RANGE	-200°C to +100°C
TEMPERATURE ACCURACY	±0.5°C (-10°C ~ 45°C) , ±1°C (Other)
TEMPERATURE RESOLUTION	0.1°C
AMBIENT LIGHT	Available with the T and TH Model
RESOLUTION AMBIENT LIGHT	Available with the T and TH Model
LOCAL DATA STORAGE CAPACITY	24,200 values for Temperature and Light
SHELF-LIFE	Lithium Battery devices: 12 months shelf life Non-Lithium Battery devices: 6 months shelf life
BATTERY	Lithium Battery: Li-ion Polymer Battery 2400mAh Non-Lithium Battery: Ni-MH Battery 2000 mAh
EXTERNAL SENSOR	PT100 (cable length: 1m, length of probe is 6cm length, 4 mm in diameter, sensor tip: stainless steel)
LOG INTERVAL	User defined: 1 min. to 60 min. (10 min. as standard setting preconfigured)
TRANSMISSION INTERVAL	User defined: 10 min. to 1440 min. (60 min. as standard setting preconfigured)
RECORDING DURATION	Lithium Battery: 120 days (with standard log interval of 10 min. and transmission interval of 240 min.) Non Lithium Battery: 90 days (with standard log interval of 10 min. and transmission interval of 240 min.)
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Every effort has been taken to ensure the accuracy of this specification, however we do not accept responsibility for damage, injury, loss or expense resulting from errors and omissions, and we reserve the right of amendment without notice.

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