tempmate.®

DATASHEET

tempmate.®-GM2

The multi use real-time solution.

DISPLAY

SUMMARY

RETURN INFO

START BUTTON

STOP BUTTON

PART NO. / SERIAL NO. / EXP DATE
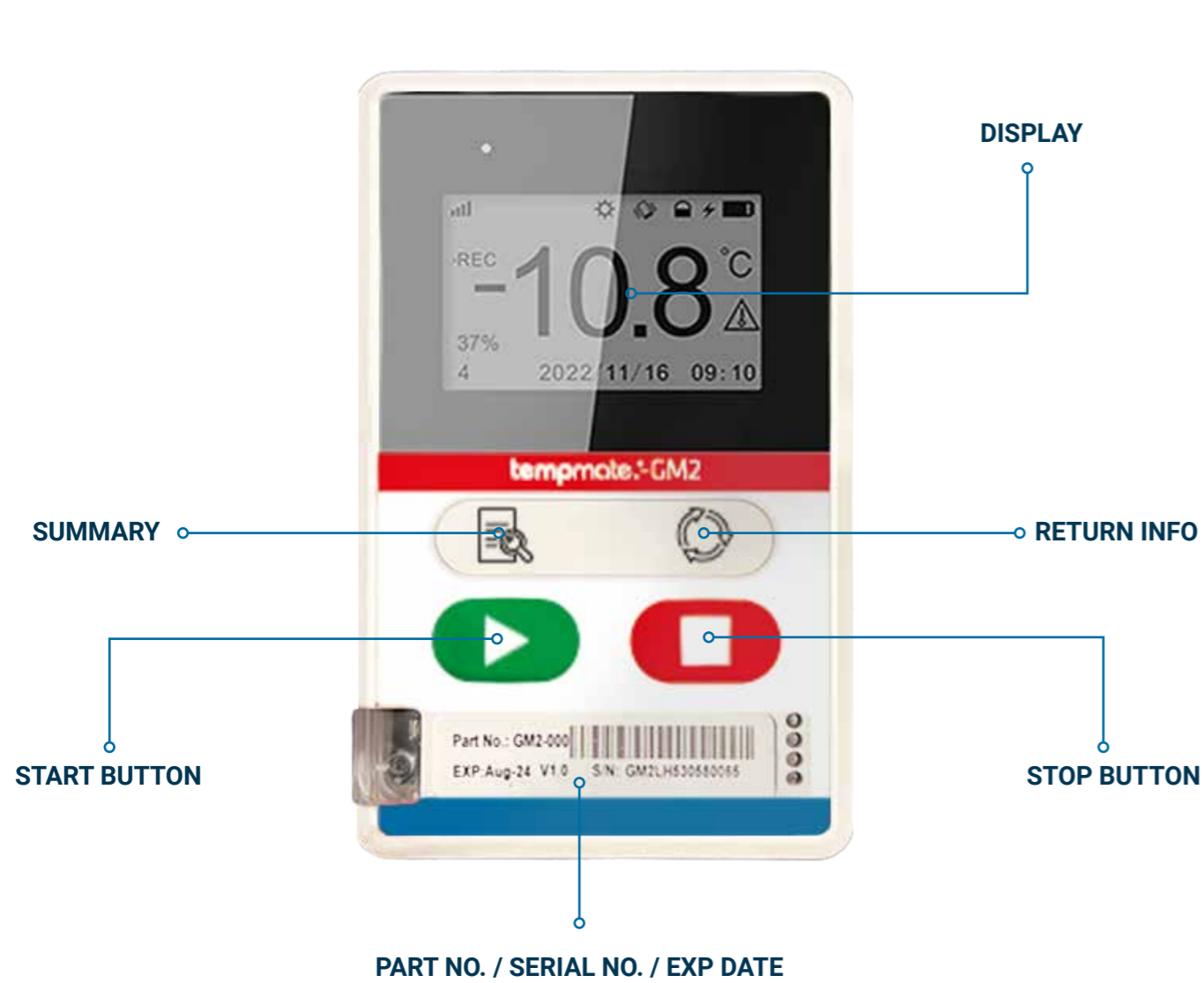
SENSOR BRACKETS with external sensor to expand temperature range and/or to increase the distance between the measuring point and the readout location.

AVAILABLE SENSORS:
TN0 Temp. Range: -40 to +80 °C
TX0 Temp. Range: -200 to +100 °C

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

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 **temp**mate.®-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.

Contact Information

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

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