Comparison tempmate.®-GS Series

tempmate.®

	tempmate.®-GS	tempmate.®-GS2 [T]	tempmate.®-GS2 [TH]	tempmate.®-GS2 [TE]
Picture				
Recording Options	Single Use	3 times or 60 days (whichever is early)	3 times or 60 days (whichever is early)	3 times or 60 days (whichever is early)
Reporting Parameters	temperature, Humidity, shock,light and location	temperature, light, location and device Battery level	temperature, Humidity, light, location and device Battery level	temperature, location and Battery level
Temperature Range	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-200°C to +100°C
Temperature Accuracy	±0.2°C (−25°C/+60°C), others ±0.5°C	±0.3°C (-10°C ~ 45°C) , ±0.5°C (Other)	±0.3°C (-10°C ~ 45°C) , ±0.5°C (Other)	±0.5°C (-10°C ~ 45°C) , ±1°C (Other)
Temperature Resolution	0.1 °C	0.1°C	0.1°C	0.1°C
Humidity Range	0% to 100%rH	Available with the TH Model	0% to 100%rH	Available with the TH Model
Humidity Accuracy	±2.5% (0% ~ 90%) , ±3.5% (Other)	Available with the TH Model	±3% (20% ~ 80%) , ±5% (Other)	Available with the TH Model
Resolution Humidity	1%	Available with the TH Model	1%	Available with the TH Model
Ambient Light	0 to 16000lx / Accuracy < 10%	0 to 10000lx / Accuracy 0.01lx	0 to 10000lx / Accuracy 0.01lx	Available with the T and TH Model
Resolution Ambient Light	1 lx	0.01 lx	0.01 lx	Available with the T and TH Model
Local Data Storage Capacity	Max. 15,600 values	24,200 values for Temperature and Light	24,200 values for Temperature and Light	24,200 values for Temperature
Shelf-Life	24 months	Lithium Battery devices : 12 months shelf life Non-Lithium Battery devices: 6 months shelf life	Lithium Battery devices : 12 months shelf life Non-Lithium Battery devices: 6 months shelf life	Lithium Battery devices : 12 months shelf life Non-Lithium Battery devices: 6 months shelf life
Battery	Lithium Battery: 2400mAh	Lithium Battery: Li-ion Polymer Battery 2400mAh Non-Lithium Battery: Ni-MH Battery 2000 mAh	Lithium Battery: Li-ion Polymer Battery 2400mAh Non-Lithium Battery: Ni-MH Battery 2000 mAh	Lithium Battery: Li-ion Polymer Battery 2400mAh Non-Lithium Battery: Ni-MH Battery 2000 mAh
External Sensor	N/A	Available with the TE Model	Available with the TE Model	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 90 min. (10 min. as standard setting preconfigured)	User defined: 1 min. to 60 min. (10 min. as standard setting preconfigured)	User defined: 1 min. to 60 min. (10 min. as standard setting preconfigured)	User defined: 1 min. to 60 min. (10 min. as standard setting preconfigured)
Transmission Interval	User defined: 16 min. to 1440 min. (1440 min. as standard setting preconfigured)	User defined: 10 min. to 1440 min. (60 min. as standard setting preconfigured)	User defined: 10 min. to 1440 min. (60 min. as standard setting preconfigured)	User defined: 10 min. to 1440 min. (60 min. as standard setting preconfigured)
Recording Duration	Approx. 5 days (with log interval of 10 min. and transmission interval of 60 min.)	Lithium Battery: 60 days (with standard log interval of 10 min. and transmission interval of 60 min.) Non Lithium Battery: 40 days (with standard log interval of 10 min. and transmission interval of 60 min.)	Lithium Battery: 60 days (with standard log interval of 10 min. and transmission interval of 60 min.) Non Lithium Battery: 40 days (with standard log interval of 10 min. and transmission interval of 60 min.)	Lithium Battery: 60 days (with standard log interval of 10 min. and transmission interval of 60 min.) Non Lithium Battery: 40 days (with standard log interval of 10 min. and transmission interval of 60 min.)
Startup Mode	By default start by button	By default start by button	By default start by button	By default start by button
Stop Mode	By default stop by button	By default stop by button (optionally connecting to USB port or by Cloud platform- can be set by user)	By default stop by button (optionally connecting to USB port or by Cloud platform- can be set by user)	By default stop by button (optionally connecting to USB port or by Cloud platform- can be set by user)
Start Delay	User defined: 0 min. to 65535 min. (No start delay as standard setting preconfigured)	User defined: 0 min. to 1440 min. (No start delay as standard setting preconfigured)	User defined: 0 min. to 1440 min. (No start delay as standard setting preconfigured)	User defined: 0 min. to 1440 min. (No start delay as standard setting preconfigured)
Protection Class	IP67	IP65	IP65	IP65
Display	NO inbuilt Display	Multifunction Display	Multifunction Display	Multifunction Display
Dimensions	113 x 59 x 24 mm	103 x 64 x 23 mm for Lithium and 103 x 64 x 30 mm for Non-Lithium	103 x 64 x 23 mm for Lithium and 103 x 64 x 30 mm for Non-Lithium	103 x 64 x 23 mm for Lithium and 103 x 64 x 30 mm for Non-Lithium
Weight	132g	130 g for Lithium and 175 g for Non-Lithium	130 g for Lithium and 175 g for Non-Lithium	130 g for Lithium and 175 g for Non-Lithium
Certifications	CE, EN12830, EMC, RoHS	CE, EN12830, EMC, RoHS, FCC	CE, EN12830, EMC, RoHS, FCC	CE, EN12830, EMC, RoHS, FCC
Validation Certificate	Available as PDF in the Cloud	Available as PDF in the Cloud	Available as PDF in the Cloud	Available as PDF in the Cloud
Software	tempmate.®-Cloud	tempmate.®-Cloud	tempmate.®-Cloud	tempmate.®-Cloud
Report Generation	Readable in the Cloud	Readable in the Cloud and locally* in the device through the USB 2.0 interface	Readable in the Cloud and locally* in the device through the USB 2.0 interface	Readable in the Cloud and locally* in the device through the USB 2.0 interface
Password Protection	Cloud Password Protection	Cloud Password Protection	Cloud Password Protection	Cloud Password Protection
Connectivity	LTE 2G	LTE 4G cat 1 with 2G Fallback	LTE 4G cat 1 with 2G Fallback	LTE 4G cat 1 with 2G Fallback
Location	LBS - GSM Localization	LBS - GSM Localization	LBS - GSM Localization	LBS - GSM Localization
Alarm Configuration	Up to 6 Alarm for temperature + up to 3 Alarm for light, Alarm Delay Programmable	Up to 6 Alarm for temperature + up to 3 Alarm for light, Alarm Delay Programmable	Up to 6 Alarm for temperature + up to 6 Alarm for Humidity + up to 3 Alarm for light, Alarm Delay Programmable	Up to 6 Alarm for temperature, Alarm Delay Programmable
Programmable	Via Cloud	Via Cloud	Via Cloud	Via Cloud
Alarm Type	Single / Cumulative	Single / Cumulative	Single / Cumulative	Single / Cumulative