

Temperature & Humidity Data Logger

GSM-100E/700E Temp.
GSM-200E Temp. & Humidity

Version: 1.2.7

DESCRIPTION:

GSM series data loggers are used to measured and recorded temperature and for wireless network platforms. Sending and receiving mobile phone messages is one of the distinctive features of this series of instruments.

GSM series data loggers are with professional PC software and mobile APP. Users can configure the functions and parameters of the instrument through the PC software or mobile phone APP, and can also use the mobile phone APP to view data in real time and manage messages. Users only need to connect the instrument (via USB) to the computer, then it will directly generate the report without additional software. Users can also export the report in multiple formats through PC software.

GSM-100E is using the normal temperature probe, the measuring range of its internal probe is $-30^{\circ}\text{C}\sim+65^{\circ}\text{C}$, and external probe is $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$.

On the basic of GSM-100E, GSM-200E added the humidify measuring function. Therefore it needs to be used with an external temperature and humidity probe. Therefore it needs to be used with an external temperature and humidity probe.

On the basic of GSM-100E, GSM-700E optimized its principle, and increased the measuring range of the external probe. The measuring range of its internal temperature probe is $-30^{\circ}\text{C}\sim+65^{\circ}\text{C}$, and its external temperature probe is increased to $-200^{\circ}\text{C}\sim+250^{\circ}\text{C}$.



GSM Series Temperature & Humidity Data Logger

FEATURES:

- Sending and receiving mobile phone messages
- Can connect with 3 mobile numbers at the same time
- With Mobile Phone APP
- With PC software
- Storage capacity is up to 500000 readings
- Display max, min and average
- Multiple probes optional
- Measuring interval is optional from 10 sec to 18 hours
- Support report format of txt/csv/xls/dlg
- Protection class IP65
- Long standby time
- Multiple selections of power supply
- Data anti-lost when power off
- Battery protection

APPLICATION:

- Warehouse
- Production and Transportation
- Drug and Food Cold Chain
- Home
- R&D, Laboratory, Hospital
- Museum
- Greenhouse

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NOTE:

- Please make sure that the local network is covered before you use the SMS function.
- Please do not use the USB port of PC as power supply.
- Sun exposure avoided.
- Corrosive chemicals avoided.
- Prevent the instrument from falling out.

WARNING:

- Self-disassemble is not allowed!
- Take precautions against strong electricity and static electricity!

SPECIFICATION:

Model	GSM-100E	GSM-200E
Measuring parameter	Temperature	Temperature, Humidity
Probe type	Internal, External	External
Unit	°C, °F	Temperature: °C, °F; Humidity: %RH
Measuring range of the whole machine	Internal: -30~+65°C External: -40~+125°C	External: -40~+125°C 0~100%RH
Measuring accuracy of the whole machine	±0.2°C (0~+65°C) The rest of the range is shown in Figure 1 below	Temperature: ±0.2°C (0~+65°C) The rest of the range is shown in Figure 1 below Humidity: ±3%RH (10~90%RH, 25°C) ±4%RH (others)
Resolution	0.1°C	Temperature: 0.1°C; Humidity: 0.1%RH
Storage capacity	25920 or 500000 readings (Software optional)	
Response time (t ₉₀)	15 min (Internal Probe); 5 min (External Probe)	
Measuring interval	5 sec	
Display refresh interval	5 sec	
Display	Segment LCD	
Operation temperature	-10°C~+50°C (Non-condensing)	
Storage temperature	-20°C~+60°C (Without battery)	
Power supply	4 pcs AA 1.5V alkaline batteries; USB 5V/2A	
Battery life	About 1 year (Condition: Battery capacity 2000mAh, operation temperature 25°C, the number of messages will not be sent over 12 per day)	
Protection class	IP65	
Dimensions	109*96*35mm	
Material	ABS	
Weight	About 130g (Not including battery and probe)	
Warranty	12 months	

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Model	GSM-700E
Measuring parameter	Temperature
Probe type	Internal, External
Unit	°C, °F
Measuring range of the whole machine	Internal: -30~+65°C External: -200~+250°C
Measuring accuracy of the whole machine	Internal: $\pm 0.2^{\circ}\text{C}$ (0~+65°C) The rest of the range is shown in Figure 1 below External: With 1/3B PT1000: $\pm 0.5^{\circ}\text{C}$ (-100~+100°C); $\pm 1^{\circ}\text{C}$ (others) With A PT1000: $\pm 0.7^{\circ}\text{C}$ (-100~+100°C); $\pm 1^{\circ}\text{C}$ (others)
Resolution	0.1°C
Standard probe measuring range	-40~+200°C
Standard probe type	1/3B PT1000
Storage capacity	25920 or 500000 readings(Software optional)
Response time (t_{90})	15 min(Internal Probe); 5 min(External Probe)
Measuring interval	5 sec
Display refresh interval	5 sec
Display	Segment LCD
Operation temperature	-10°C~+50°C (Non-condensing)
Storage temperature	-20°C~+60°C (Without battery)
Power supply	4 pcs AA 1.5V alkaline batteries; USB 5V/2A
Battery life	About 1 year(Condition: Battery capacity 2000mAh, operation temperature 25°C, the number of messages will not be sent over 12 per day)
Protection class	IP65
Dimensions	109*96*35mm
Material	ABS
Weight	About 130g(Not including battery and probe)
Warranty	12 months

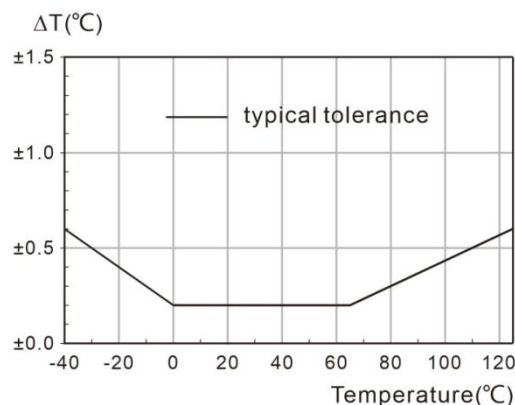


Figure 1