

PerGar GM1365

GM1365 Reusable Temperature Humidity Data Logger User Manual

Model: GM1365 (Item Model Number: PerGargef2hq1otv)
Brand: PerGar

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of the PerGar GM1365 Reusable Temperature Humidity Data Logger. This device is designed for accurate and convenient recording and storage of temperature and humidity values, making it suitable for various applications including cold chain monitoring, warehouse cold storage, laboratory environments, and agricultural greenhouses.

Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its lifespan.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Convenient Usage:** Automatically records and stores measured temperature and humidity values.
- **Automatic Data Analysis:** Includes built-in data analysis software for interpreting measurement data.
- **Durable Design:** Constructed from robust ABS material, offering dustproof and waterproof properties.
- **Versatile Applications:** Ideal for cold chain alarms, warehouse cold storage temperature measurement, and use in laboratories and agricultural greenhouses.
- **Unique Appearance:** Features a humanized mounting bracket and a transparent protective cover.

2.2 Package Contents

Upon unpacking, please verify that all items listed below are present and in good condition:

- 1 x GM1365 Temperature Humidity Data Logger (Battery Not Included)
- 1 x Hanger
- 2 x Screws
- 1 x User Manual (this document)



Figure 2.1: GM1365 Data Logger, Hanger, and Screws.

This image displays the main components included in the package: the GM1365 data logger, a white plastic hanger, and two small metal screws. The data logger is beige, cylindrical, with a USB connector at one end and a display screen showing temperature and humidity readings.

3. SETUP

3.1 Battery Installation

1. Locate the battery compartment cover on the back of the instrument.
2. Carefully open the cover.
3. Insert one **ER14250 3.6V 1/2AA lithium battery** into the compartment, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely. The instrument will automatically turn on and begin recording upon

successful battery installation.

3.2 PC Configuration Requirements

To utilize the data analysis software and retrieve recorded data, your personal computer must meet the following minimum requirements:

- **Operating System:** Only compatible with Windows operating systems.
- **CPU Frequency:** Above 1.6 GHz.
- **Built-in Memory (RAM):** Approximately 256 MB or more.
- **USB Interface:** At least one available USB port.

4. OPERATING INSTRUCTIONS

4.1 Starting Data Logging

Once the battery is installed, the GM1365 data logger will automatically power on and initiate the recording process. No manual activation is required to begin logging data.

4.2 Adjusting Options

Specific options and settings for the data logger, such as recording interval or alarm thresholds, can be adjusted using the dedicated data analysis software on a compatible Windows PC. Connect the data logger to your PC via the USB interface to access these settings.

4.3 Data Retrieval and Analysis

To retrieve recorded temperature and humidity data:

1. Ensure the data logger is powered on.
2. Connect the USB end of the data logger to an available USB port on your Windows PC.
3. The PC should recognize the device. Launch the installed data analysis software.
4. Follow the software's instructions to download, view, and analyze the recorded data. The software can automatically analyze the measurement data, providing insights into temperature and humidity trends.



Easy to use

Automatically record and store the measured temperature and humidity values



Figure 4.1: Data Logger in a Greenhouse Environment.

This image shows the GM1365 data logger positioned within a large greenhouse, illustrating its application in agricultural settings for monitoring environmental conditions.



Temperature Logger

Comes with data analysis software, which can automatically analyze measurement data



Figure 4.2: Data Logger in a Laboratory Environment.

This image depicts the GM1365 data logger in a laboratory setting, highlighting its use for precise temperature and humidity monitoring in scientific research and development.



Figure 4.3: Data Logger in a Cold Storage Facility.

This image illustrates the GM1365 data logger's application in a cold storage environment, such as a meat locker, demonstrating its utility for monitoring critical temperatures in refrigerated spaces.

5. MAINTENANCE

5.1 Cleaning

To maintain the accuracy and longevity of your data logger, keep it clean. Wipe the exterior with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the sensor vents or USB port. Do not use abrasive cleaners or solvents.

5.2 Storage

When not in use for extended periods, store the data logger in a cool, dry place, away from direct sunlight and extreme

temperatures. It is recommended to remove the battery if storing for several months to prevent potential leakage.

5.3 Battery Replacement

Replace the ER14250 3.6V 1/2AA lithium battery when the low battery indicator appears on the display or when the device fails to power on. Follow the battery installation steps outlined in Section 3.1.

6. TROUBLESHOOTING

6.1 Device Not Powering On

- **Check Battery:** Ensure the ER14250 3.6V 1/2AA lithium battery is correctly installed with proper polarity and is not depleted. Replace if necessary.
- **Battery Compartment:** Verify the battery compartment cover is securely closed.

6.2 Data Not Transferring to PC

- **USB Connection:** Ensure the data logger is firmly connected to a functional USB port on your PC. Try a different USB port.
- **PC Requirements:** Confirm your PC meets the minimum system requirements (Windows OS, CPU, RAM, USB port) as specified in Section 3.2.
- **Software Installation:** Verify that the data analysis software is correctly installed on your PC. Reinstall if issues persist.
- **Driver Issues:** Check Device Manager on your Windows PC for any unrecognized devices or driver conflicts related to the data logger.

6.3 Inaccurate Readings

- **Sensor Obstruction:** Ensure the sensor vents on the device are not blocked by dust, debris, or protective covers.
- **Environmental Factors:** Avoid placing the device in direct sunlight, near heat sources, or in areas with rapid temperature/humidity fluctuations that could affect readings.
- **Calibration:** While the device is factory calibrated, significant discrepancies might require professional calibration services (not user-serviceable).

7. SPECIFICATIONS

Parameter	Value
Item Type	Temperature Humidity Recorder
Brand	PerGar
Model	GM1365
Item Model Number	PerGargef2hq1otv
Material	ABS
Battery Type	ER14250 1 x 3.6V 1/2AA lithium battery (not included)

Parameter	Value
Measuring Range (Temperature)	-30°C to 80°C
Measuring Range (Humidity)	0% to 100%RH
Recording Capacity	32256 data points
Package Dimensions	5.91 x 3.94 x 1.57 inches
Item Weight	5.71 ounces
Manufacturer	PerGar
Date First Available	December 19, 2024

8. WARRANTY AND SUPPORT

8.1 Warranty Information

PerGar products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact PerGar customer support. The warranty typically covers defects in materials and workmanship under normal use.

8.2 Customer Support

If you encounter any issues or have questions regarding the GM1365 Temperature Humidity Data Logger that are not addressed in this manual, please contact PerGar customer support for assistance. Please have your product model number (GM1365) and purchase information ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Email

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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