

USB TEMPERATURE DATA LOGGER UNI-T UT330THC

The **UNI-T UT330THC** is a USB temperature and humidity data logger designed for monitoring and recording environmental conditions. It is commonly used in various applications such as food storage, laboratories, warehouses, and HVAC systems to ensure optimal conditions are maintained.



Key Features:

1. **Temperature and Humidity Monitoring:**
 - Measures both temperature and humidity levels.
 - Typically has a wide measurement range (e.g., temperature: -40°C to 80°C, humidity: 0% to 100% RH).
2. **Data Logging:**
 - Records temperature and humidity data at user-defined intervals.
 - Can store thousands of data points, depending on the model.
3. **USB Interface:**
 - Connects directly to a computer via USB for easy data download and analysis.
 - Often plug-and-play, requiring no external power source.
4. **Software:**
 - Comes with dedicated software for configuring the device, downloading data, and generating reports.
 - Allows users to set alarms, view graphs, and export data in various formats (e.g., CSV, Excel).
5. **Compact and Portable:**
 - Small, lightweight design for easy placement in tight spaces.
 - Often includes a hook or stand for versatile mounting options.
6. **Alarm Function:**



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- Can be configured to trigger alarms if temperature or humidity exceeds predefined thresholds.

7. **Battery-Powered:**

- Typically powered by a built-in rechargeable battery, which charges via USB.

Applications:

- **Food Safety:** Monitoring storage conditions in refrigerators, freezers, and during transportation.
- **Pharmaceuticals:** Ensuring compliance with storage requirements for medicines and vaccines.
- **Greenhouses:** Tracking environmental conditions for optimal plant growth.
- **Museums and Archives:** Preserving sensitive artifacts by maintaining stable humidity and temperature levels.
- **HVAC Systems:** Verifying the performance of heating, ventilation, and air conditioning systems.

How to Use:

1. **Set Up:**

- Connect the UT330THC to a computer via USB to configure settings (e.g., logging interval, alarm thresholds).
- Place the device in the desired location for monitoring.

2. **Data Collection:**

- The logger will automatically record temperature and humidity data at the specified intervals.

3. **Data Retrieval:**

- Reconnect the device to the computer and use the provided software to download and analyze the data.



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4. Reporting:

- Generate reports or export data for further analysis or compliance documentation.

Advantages:

- **Ease of Use:** Simple setup and operation.
- **Accuracy:** High precision in temperature and humidity measurements.
- **Versatility:** Suitable for a wide range of applications.
- **Cost-Effective:** Affordable solution for continuous environmental monitoring.