

Electronic Thermometer And Hygrometer

◆ Product Description

The electronic thermohygrometer is an intelligent environmental monitoring device that integrates "real-time monitoring, automatic recording, and data export" into one adopting high-precision sensing technology and a USB plug-and-play design, it provides reliable data support for environmental quality traceability and risk early warning.



- High-Precision Sensing Core
- Accurate and Traceable Data
- USB Plug-and-Play
- Massive Storage + Long Battery Life
- Mini and Portable + High Protection

◆ Product Structure

- The housing of the electronic thermohygrometer adopts an integrated ABS engineering plastic structure, and the USB interface enables protection and convenient interaction. The core layer consists of a high-precision sensing module, a low-power MCU data processing module, and a Flash storage module, ensuring the accurate collection of temperature and humidity data.

◆ Typical Product Data and Physical Properties

Main Housing: ABS Engineering Plastic
 Sealing Component: Silicone O-Ring
 Temperature and Humidity Sensor: Sensirion SHT3x
 Main Control Chip: STM32L
 Interface: USB
 Battery: 3.7V Lithium Polymer Battery
 Mounting Accessories: Strong Magnetic Patch + 3M Double-Sided Tape
 Humidity Measurement Range: 0%RH ~ 100%RH
 Temperature Measurement Accuracy: $\pm 0.2^{\circ}\text{C}$
 Humidity Measurement Accuracy: $\pm 2\%\text{RH}$

Availability:

Item#	Model	Weight
1.5.07.01.0017	USB Temperature and Humidity Data Logger	3kg

◆ Typical Applications

- The electronic thermohygrometer is widely used in pharmaceutical and healthcare, food cold chain, scientific research laboratories, industrial production, and daily commercial fields. With 24/7 uninterrupted data collection, it addresses the pain points of traditional monitoring, providing reliable support for environmental control, risk early warning, and compliance management in various scenarios.

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data is for reference purposes only.

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