BrainChild

MKT Data Logger
XH 10/XH11

General Description

The XH-Logger is a compact, portable device ideal for recording temperature and humidity. It provides temperature and humidity measurements suitable for various requirements and has multiple recording methods, data analysis capabilities, and report output functions. XHLogger supports two types of sensors: internal and external, which can be used in different locations for various monitoring applications.

XH10: Internal sensor, suitable for factory or warehouse monitoring.

XH11: External sensor, suitable for refrigerators, moisture-proof boxes, or any cabinet where users need to view values from the outside.
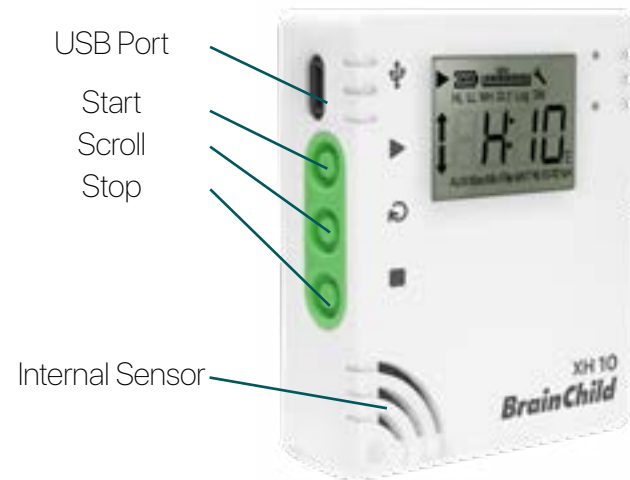
Specifications

- One-Key Start/Stop or set Start/Stop at a scheduled time.
- Set parameters, download PDF reports and supply power via the USB interface.
- Temperature and humidity statistical data.
- Provide temperature measurements in Celsius (°C) and Fahrenheit (°F).
- Temperature/humidity and device status on the LCD screen.
- Temperature and humidity data tracking.
- Configurable sampling rate.
- User-friendly software, DLV (Data Logger Viewer).
- High power efficiency.
- IP65 protection.
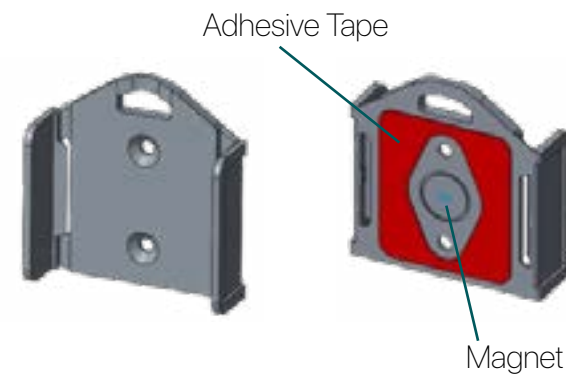- Display Mean Kinetic Temperature (MKT).

Specifications

Power Supply	USB/ER14250 Battery(1 year battery life @ 1 min. log interval)
USB Voltage(@500mA)	Min.: 4.5 VDC Normal: 5 VDC Max.: 5.5 VDC
Log Interval	1 sec~24 hrs
Temp. display resolution	0.1 °C /°F
Operating range	Temp.：-10°C (14°F) ~ 60°C (122°F) Humditiy：10%RH~90%RH
Accuracy	Temp.：0°C ~ 50°C (±0.3°C), others ±0.5°C Humidity：20%~80%@25°C(±3%RH) others ±5%RH
Internal Memory	Maximum 100 files (record start to stop as one file), maximum 79,872 logs, maximum 200,192 logs.
Protective Class	IP65
Dimensions	65.1 x 70 x 23.25mm
Weight	82.1 g (with battery, external sensor excluded)

Outlook ▶

USB Port
Start
Scroll
Stop
Internal Sensor

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Mounting Plate ▶

Adhesive Tape
Magnet

Memory Management ▶

The total memory of the system is 200,192 records, which can be used for up to 100 files. The size of each file is maximum 79,872 records. The memory space is shown as follows.

Configuration Home ▶

Home:

Temperature

Home:

MKT

Users can set home page to display temperature, humidity, max/min temperature, or MKT.

PC Software

Data Logger Viewer (DLV) is available for download at www.brainchildtw.com. The software is easy to install and use. It is important that users configure the new XHLogger before using it.

Sensor List▶

List all XHLoggers connected to PC and display the status.

Parameter Configruation

On Parameter page, users can configure the Name, Time Zoom, and Start/Stop mode of the XHLogger.

Tip: If mutiple XHLoggers with the same configuration are required, users can use the 'Copy' and 'Paste' functions on all XHLoggers.
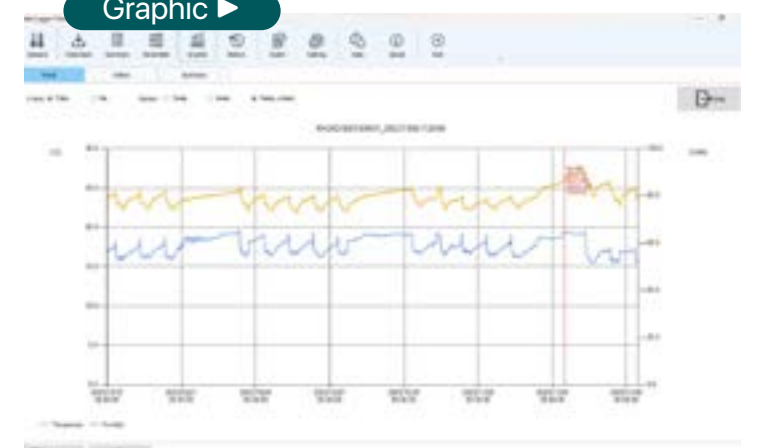
History Reviewing

Download the records to your PC and review the data.

Tip: You can press 'Ctrl' and select multiple sets of historical data, then analyze these data in the same report.

Graphic ▶

Users can use the recorded data to generate graphics to compare with data from other XHLoggers.

Application

The XH10 and XH11 are perfect solutions for recording and monitoring temperature and humidity in warehouses, vaccine refrigerators, cold chain management, temperature mapping, greenhouse planting, museums, and art galleries.
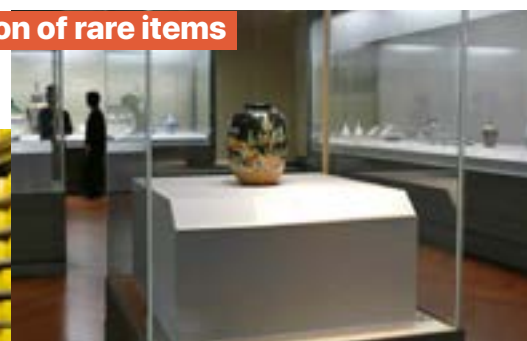
Temperature Mapping

21.1℃ 55.2%RH

21.3℃ 55.2%RH

21.2℃ 55.0%RH

21.0℃ 55.4%RH

Cultivation of crops with high economic value

Collection of rare items

Storage of temperature sensitive materials