

BrainChild

MKT Data Logger XH10 / 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

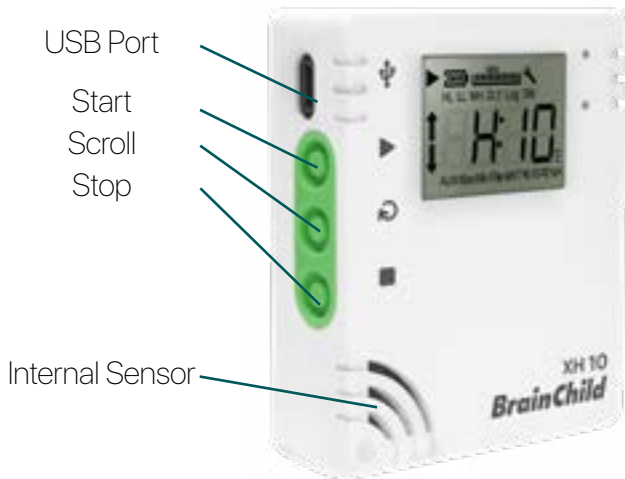


- One-Key Start/Stop or set Start/Stop at a scheduled time.
- Set parameters, download PDF reports and supply power via the USB interface.
- Temperature and humidity statistical data.
- Provide temperature measurements in Celsius (°C) and Fahrenheit (°F).
- Temperature/humidity and device status on the 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).

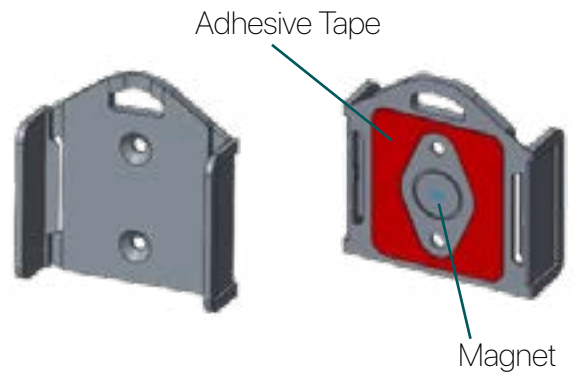
Specifications

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) Humidity: 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 ▶



Mounting Plate ▶



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 ▶



No.	Name	Location	Type	Status	IP	Response	Health	Serial No.	Connection
1	XHLogger	12-12-12	12	OK	192.168.1.1	1000	OK	12345678	Connected
2	XHLogger	12-12-12	12	OK	192.168.1.2	1000	OK	12345678	Connected
3	XHLogger	12-12-12	12	OK	192.168.1.3	1000	OK	12345678	Connected
4	XHLogger	12-12-12	12	OK	192.168.1.4	1000	OK	12345678	Connected
5	XHLogger	12-12-12	12	OK	192.168.1.5	1000	OK	12345678	Connected
6	XHLogger	12-12-12	12	OK	192.168.1.6	1000	OK	12345678	Connected
7	XHLogger	12-12-12	12	OK	192.168.1.7	1000	OK	12345678	Connected
8	XHLogger	12-12-12	12	OK	192.168.1.8	1000	OK	12345678	Connected
9	XHLogger	12-12-12	12	OK	192.168.1.9	1000	OK	12345678	Connected
10	XHLogger	12-12-12	12	OK	192.168.1.10	1000	OK	12345678	Connected

List all XHLoggers connected to PC and display the status.

Parameter Configuration

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

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



History Reviewing



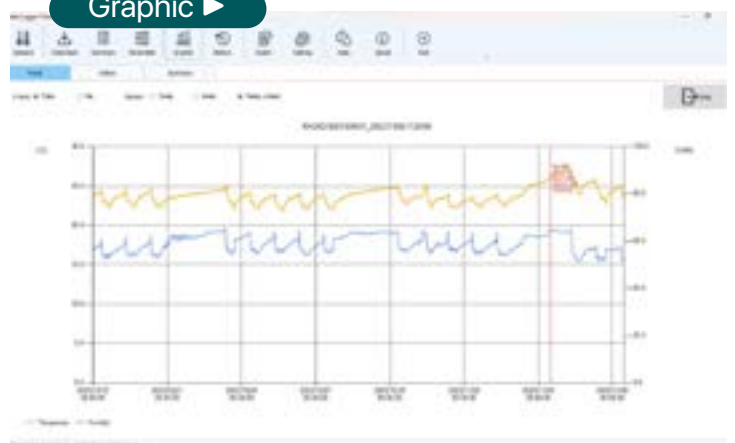
Date	Time	Value	Unit	Status
2023-12-12	10:00:00	100	100	OK
2023-12-12	10:00:05	105	100	OK
2023-12-12	10:00:10	110	100	OK
2023-12-12	10:00:15	115	100	OK
2023-12-12	10:00:20	120	100	OK
2023-12-12	10:00:25	125	100	OK
2023-12-12	10:00:30	130	100	OK
2023-12-12	10:00:35	135	100	OK
2023-12-12	10:00:40	140	100	OK
2023-12-12	10:00:45	145	100	OK
2023-12-12	10:00:50	150	100	OK
2023-12-12	10:00:55	155	100	OK
2023-12-12	10:01:00	160	100	OK
2023-12-12	10:01:05	165	100	OK
2023-12-12	10:01:10	170	100	OK
2023-12-12	10:01:15	175	100	OK
2023-12-12	10:01:20	180	100	OK
2023-12-12	10:01:25	185	100	OK
2023-12-12	10:01:30	190	100	OK
2023-12-12	10:01:35	195	100	OK
2023-12-12	10:01:40	200	100	OK
2023-12-12	10:01:45	205	100	OK
2023-12-12	10:01:50	210	100	OK
2023-12-12	10:01:55	215	100	OK
2023-12-12	10:02:00	220	100	OK
2023-12-12	10:02:05	225	100	OK
2023-12-12	10:02:10	230	100	OK
2023-12-12	10:02:15	235	100	OK
2023-12-12	10:02:20	240	100	OK
2023-12-12	10:02:25	245	100	OK
2023-12-12	10:02:30	250	100	OK
2023-12-12	10:02:35	255	100	OK
2023-12-12	10:02:40	260	100	OK
2023-12-12	10:02:45	265	100	OK
2023-12-12	10:02:50	270	100	OK
2023-12-12	10:02:55	275	100	OK
2023-12-12	10:03:00	280	100	OK
2023-12-12	10:03:05	285	100	OK
2023-12-12	10:03:10	290	100	OK
2023-12-12	10:03:15	295	100	OK
2023-12-12	10:03:20	300	100	OK
2023-12-12	10:03:25	305	100	OK
2023-12-12	10:03:30	310	100	OK
2023-12-12	10:03:35	315	100	OK
2023-12-12	10:03:40	320	100	OK
2023-12-12	10:03:45	325	100	OK
2023-12-12	10:03:50	330	100	OK
2023-12-12	10:03:55	335	100	OK
2023-12-12	10:04:00	340	100	OK
2023-12-12	10:04:05	345	100	OK
2023-12-12	10:04:10	350	100	OK
2023-12-12	10:04:15	355	100	OK
2023-12-12	10:04:20	360	100	OK
2023-12-12	10:04:25	365	100	OK
2023-12-12	10:04:30	370	100	OK
2023-12-12	10:04:35	375	100	OK
2023-12-12	10:04:40	380	100	OK
2023-12-12	10:04:45	385	100	OK
2023-12-12	10:04:50	390	100	OK
2023-12-12	10:04:55	395	100	OK
2023-12-12	10:05:00	400	100	OK
2023-12-12	10:05:05	405	100	OK
2023-12-12	10:05:10	410	100	OK
2023-12-12	10:05:15	415	100	OK
2023-12-12	10:05:20	420	100	OK
2023-12-12	10:05:25	425	100	OK
2023-12-12	10:05:30	430	100	OK
2023-12-12	10:05:35	435	100	OK
2023-12-12	10:05:40	440	100	OK
2023-12-12	10:05:45	445	100	OK
2023-12-12	10:05:50	450	100	OK
2023-12-12	10:05:55	455	100	OK
2023-12-12	10:06:00	460	100	OK
2023-12-12	10:06:05	465	100	OK
2023-12-12	10:06:10	470	100	OK
2023-12-12	10:06:15	475	100	OK
2023-12-12	10:06:20	480	100	OK
2023-12-12	10:06:25	485	100	OK
2023-12-12	10:06:30	490	100	OK
2023-12-12	10:06:35	495	100	OK
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2023-12-12	10:06:55	515	100	OK
2023-12-12	10:07:00	520	100	OK
2023-12-12	10:07:05	525	100	OK
2023-12-12	10:07:10	530	100	OK
2023-12-12	10:07:15	535	100	OK
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2023-12-12	10:07:50	570	100	OK
2023-12-12	10:07:55	575	100	OK
2023-12-12	10:08:00	580	100	OK
2023-12-12	10:08:05	585	100	OK
2023-12-12	10:08:10	590	100	OK
2023-12-12	10:08:15	595	100	OK
2023-12-12	10:08:20	600	100	OK
2023-12-12	10:08:25	605	100	OK
2023-12-12	10:08:30	610	100	OK
2023-12-12	10:08:35	615	100	OK
2023-12-12	10:08:40	620	100	OK
2023-12-12	10:08:45	625	100	OK
2023-12-12	10:08:50	630	100	OK
2023-12-12	10:08:55	635	100	OK
2023-12-12	10:09:00	640	100	OK
2023-12-12	10:09:05	645	100	OK
2023-12-12	10:09:10	650	100	OK
2023-12-12	10:09:15	655	100	OK
2023-12-12	10:09:20	660	100	OK
2023-12-12	10:09:25	665	100	OK
2023-12-12	10:09:30	670	100	OK
2023-12-12	10:09:35	675	100	OK
2023-12-12	10:09:40	680	100	OK
2023-12-12	10:09:45	685	100	OK
2023-12-12	10:09:50	690	100	OK
2023-12-12	10:09:55	695	100	OK
2023-12-12	10:10:00	700	100	OK
2023-12-12	10:10:05	705	100	OK
2023-12-12	10:10:10	710	100	OK
2023-12-12	10:10:15	715	100	OK
2023-12-12	10:10:20	720	100	OK
2023-12-12	10:10:25	725	100	OK
2023-12-12	10:10:30	730	100	OK
2023-12-12	10:10:35	735	100	OK
2023-12-12	10:10:40	740	100	OK
2023-12-12	10:10:45	745	100	OK
2023-12-12	10:10:50	750	100	OK
2023-12-12	10:10:55	755	100	OK
2023-12-12	10:11:00	760	100	OK
2023-12-12	10:11:05	765	100	OK
2023-12-12	10:11:10	770	100	OK
2023-12-12	10:11:15	775	100	OK
2023-12-12	10:11:20	780	100	OK
2023-12-12	10:11:25	785	100	OK
2023-12-12	10:11:30	790	100	OK
2023-12-12	10:11:35	795	100	OK
2023-12-12	10:11:40	800	100	OK
2023-12-12	10:11:45	805	100	OK
2023-12-12	10:11:50	810	100	OK
2023-12-12	10:11:55	815	100	OK
2023-12-12	10:12:00	820	100	OK
2023-12-12	10:12:05	825	100	OK
2023-12-12	10:12:10	830	100	OK
2023-12-12	10:12:15	835	100	OK
2023-12-12	10:12:20	840	100	OK
2023-12-12	10:12:25	845	100	OK
2023-12-12	10:12:30	850	100	OK
2023-12-12	10:12:35	855	100	OK
2023-12-12	10:12:40	860	100	OK
2023-12-12	10:12:45	865	100	OK
2023-12-12	10:12:50	870	100	OK
2023-12-12	10:12:55	875	100	OK
2023-12-12	10:13:00	880	100	OK
2023-12-12	10:13:05	885	100	OK
2023-12-12	10:13:10	890	100	OK
2023-12-12	10:13:15	895	100	OK
2023-12-12	10:13:20	900	100	OK
2023-12-12	10:13:25	905	100	OK
2023-12-12	10:13:30	910	100	OK
2023-12-12	10:13:35	915	100	OK
2023-12-12	10:13:40	920	100	OK
2023-12-12	10:13:45	925	100	OK
2023-12-12	10:13:50	930	100	OK
2023-12-12	10:13:55	935	100	OK
2023-12-12	10:14:00	940	100	OK
2023-12-12	10:14:05	945	100	OK
2023-12-12	10:14:10	950	100	OK
2023-12-12	10:14:15	955	100	OK
2023-12-12	10:14:20	960	100	OK
2023-12-12	10:14:25	965	100	OK
2023-12-12	10:14:30	970	100	OK
2023-12-12	10:14:35	975	100	OK
2023-12-12	10:14:40	980	100	OK
2023-12-12	10:14:45	985	100	OK
2023-12-12	10:14:50	990	100	OK
2023-12-12	10:14:55	995	100	OK
2023-12-12	10:15:00	1000	100	OK

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.

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

Graphic ▶



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.

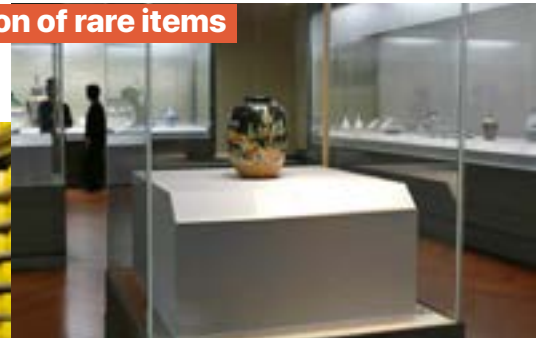
Temperature Mapping



Cultivation of crops with high economic value



Collection of rare items



Storage of temperature sensitive materials

BrainChild

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