Read Manual before Product Use

BATTERY WARNING!
The Hygrometer contains a rechargeable battery. Mistreated rechargeable battery may present a risk of fire or chemical burn. The rechargeable battery is not replaceable. Do not disassemble or expose the device to conducting materials, moisture, liquid, or heat above 54 °C (130°F). A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas. Do not use or charge the battery if it appear to be leaking, discolored, deformed, or in any way abnormal. Do not short circuit.
Non-operational battery should be discarded or recycled properly.
If no laws or regulations govern, dispose of your device in a waste bin for electronics. Keep batteries away from children.
CAUTION
- Do not open or modify the product.
- Use a qualified 5V adapter charger for the device charge.
- Avoid any liquid entering the product.
- This is not a Children's product and is not intended for use by children under 14 years old.

HumidiCap®
User manual of Hygrometer H1

Support: sales@humidicap.com
www.humidicap.com

V1
99992-Chi-Rdm August 2022
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Configuration

Wireless:	Bluetooth 5.2
Display Screen:	2" e-ink
Battery:	Chargeable: Li-ion Battery 300mAh
Charging interface:	Type-C
Housing material:	ABS+PC
Panel Material:	Glass
Dimensions:	Diameter 74mm, Thickness 17mm
Net Weight:	65 g

Features

Operating temperature:	0~50 °C (32~122°F)
Operating humidity:	0~100%RH
Temperature accuracy:	±0.5°C(0~50°C) (±0.77°F@32~122°F)
Humidity Accuracy:	±3%@10~90%RH
Temperature long term drift:	<0.04°C/年
Humidity long term drift:	<0.5%RH/年

Use Guidelines

Turn On/Off the Hygrometer
In the off state, press and hold the button on the back of the hygrometer for 2 seconds to turned on the hygrometer. In the power-on state, press and hold the button for 3 seconds to turn off the device.

Switch the temperature unit
Short press the button to switch the displayed temperature unit.

Install HumidiCap APP

Requirements for Mobile Terminals
Phone iOS version 13.0 and above or an iPad. Android phone running Android 7.0 and above.

APP download
You may download HumidiCap APP from www.humidicap.com
or scan the QR code below to download and install HumidiCap APP.
iOS version is available on Apple store.

Bluetooth connection

The Bluetooth of the hygrometer automatically remains active when the device is powered on.

To enable the Bluetooth of your mobile phone, the APP can obtain the broadcast data of nearby hygrometers.

When entering the detailed page of a device, the APP will connect to the device and exchange data.

Add the hygrometers to the APP

① Click the plus sign on the top right corner of the home page to add a device.

② The Mac address is unique and invariable ID of the device.

③ The position tracing icon. Click the icon of an On-line device, the device will be connected to your mobile phone and beep. You can find the device by sound.

④ Swipe left to delete. Click the icon of an On-line device to turn on/off the buzzer.

The Main Page

The Main page displays of the current temperature and humidity data, Mac address, Battery level etc.

The Detailed Page

Click the block of a device on the main page to enter the detailed page of the device. On the detailed page, the device keeps connected to the mobile phone.

If the APP loss connection to the device on the detailed page, the APP will try to reconnect and re-enter the detailed page to re-connect the device.

The current temperature and humidity data and the historical data be displayed on the detailed page.

The historical data can be exported as excel file.

Local storage of historical data

The Hygrometer stores the temperature and humidity data at one minute intervals with maximum data up to 30 days. The hygrometer uploads the stored historical data to the mobile phone at every connection and then delete the uploaded historical data from hygrometer.

Auto-calibration

Besides the manual calibration, we provide the hygrometer automatically will auto the auto-calibration procedure and the parameters of calibration. The purpose of the data prior to this failed Auto-calibration.
Unless otherwise stated, the hygrometer H1 package does not include the Calibration Kit CK75.

a time limit of three hours, beyond which Auto-calibration has not been completed successfully, the hygrometer automatically will exits the Auto-calibration procedure and the parameters of calibration. The purpose of the data prior to this failed Auto-calibration.
The hygrometer receives the instruction from APP then performs Auto-calibration to generate a calibration coefficient to achieve the high accurate humidity measurement.

The HumidiCap Calibration Kit CK75 contains saturated salt (NaCl solution), and the salt solution is isolated to present the Hygrometer to contact with the solution. The procedure was

1. **Why does the screen go black intermittently?**
This is normal phenomenon.
The hygrometer uses an electronic ink screen, which needs to be periodically blacked out to refresh the screen to eliminate afterimages.

2. **How long can the Hygrometer H1 work?**
A fully charged battery can work for about 3 months at normal conditions. A low temperature environment or replacement battery will last for less time.
The battery can last for 1 year.

3. **Is there any subscription fee?**
There is no any subscription fee charged to the user.

Alerts sound

The device beeps if the temperature and humidity exceed the temperature and humidity set value. The user can adjust the Alert value settings.

The device beeps when the battery is low to remind the user to charge it.

Frequent Questions

1. **Why does the screen go black intermittently?**
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4. **Can I use a Self made NaCl saturated solution to do Auto-calibration?**
Yes, you can do Auto-calibration with any stable and accurate 75% humidity environment.

5. **What is the maximum connection distance between the mobile phone and the hygrometer?**
Our test results show that the farthest distance between the mobile phone and the hygrometer in an open place is 100 meters. When connected to a mesh, the maximum transmission distance is 15 meters.

6. **Can the expected data interval be shortened?**
The data storage interval is 1 minute and cannot be set.

7. **Why doesn't my hygrometer display anything?**
The hygrometer will shut down and turn off the screen when the battery is exhausted. Charge the hygrometer and turn it on.

8. **Can I obtain hygrometer data remotely?**
No, the hygrometer H1 is wifi bluetooth wireless that only can be connected and data transferred within short distance.

9. **How to get support from HumidiCap?**
Send an email to sales@humidicap.com, we will reply you as soon as possible. You can also send us your questions in the "Feedback" in the APP.

Warranty
Smart-Iem Technology Co., Ltd. warrants goods of its manufacture as being free of defective materials and faulty workmanship. Subject to proper operation according to Smart-Iem company's instructions, for a period of one year from the purchasing date, we will repair or replace the defective product without charge those items it finds defective. The warranty only applies to original purchaser at retailed and may not be transferred.

Manufacturer's Name: Shenzhen Smart-lion Technology Co., Ltd.

Address: Room #503, Building C, Huaqingyuan, Jiner Road, Huangbei Street, Luohu, Shenzhen,China

Product Name: Bluetooth Hygrometer

Trade Mark: HumidiCup

Model number: H1, H1-B-W, H1-B-G

This device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. All essential radio test suites have been carried out.

The product shall only be connected to a USB interface of version USB2.0

CE RF Secification:

Function	**Operation Frequency**	**Max RF outputpower:**	**Limit**
BLE(1M)	2402MHz–2480MHz	1.60 dBm	20 dBm.
BLE(2M)	2402MHz–2480MHz	2.04 dBm	20 dBm.

This product can be used across EU member states without restriction..

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction