



INSTRUCTIONS

SIRUI HC Series

Electronic Humidity Control Cabinet

202009

Thank you for purchasing SIRUI Electronic Humidity Control products.
Please read this manual before using.

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Guangdong SIRUI optical co.,ltd.

Address: The Third Industrial District, Wuguishan Town, Zhongshan City, Guangdong, China

Tel: 0086-760-88897373 Fax: 0086-760-88207062

Service Hotline: 0086-400-8302299 <http://www.sirui.com>

1 Features

(1) Introduction of Product Use

The SIRUI Electronic Humidity Control Cabinet can effectively prevent mildew, fogging, oxidation, corrosion, material deformation, and can reduce the possibility of fracture and failure of electronic devices, etc. The regulated environment of the SIRUI Cabinet helps extend the life and value of your most precious possessions.

- ※ Ideal for storing paintings and papers, including calligraphy, antiques, paper currencies, ancient books, fax paper, copy paper, printing paper, etc.
- ※ Ideal for storing optical & electronic devices, such as advanced lenses, photographic equipment, camcorders, computer items, cameras, lenses, microscopes, CDs, telescopes, film, videotapes, microfilms, Slides, etc.
- ※ Ideal for storing precision materials, such as gold/silver and other precious metals, non-metals, metal powder products, electrical equipment, semiconductors, condensers, printed circuit boards, tungsten wires, IC, batteries, etc.
- ※ Ideal for precision machinery equipment products such as crystals, precision measuring tools, optical lenses, optical scanners, spectrometers, etc.

(2) Product Features

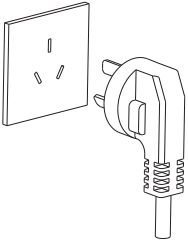
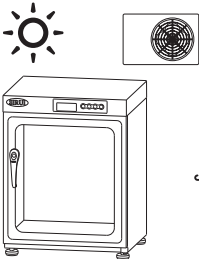
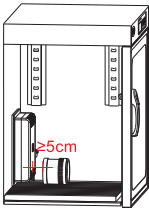
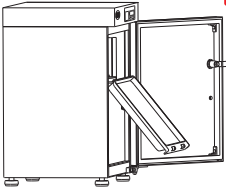
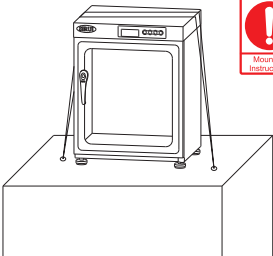
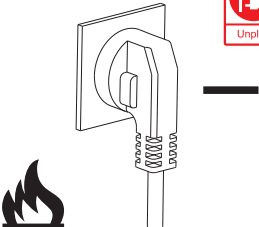
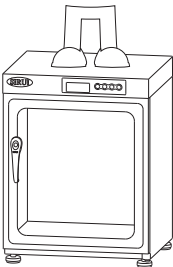
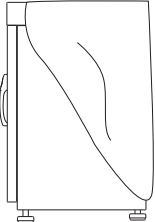
- ※ The SIRUI Electronic Humidity Control Cabinet contains a high performance dehumidifying system with precise microcomputer control, for automatic, worry-free operation.
- ※ Easy-to-read LCD digital display of temperature and humidity.
- ※ The dehumidifying system is made of fire-resistant material and is quick, high-efficiency, energy saving and non-polluting.
- ※ The internal design of the humidity control elements protects the components from damage and people from inadvertently touching it.
- ※ The cabinet body is made with high strength steel that is precision welded with high frequency argon arc equipment.
- ※ The door is made of high-quality, tempered glass, which is waterproof, dust-proof and airtight.
- ※ Low humidity inside the cabinet can be maintained for a long time after the power is turned off.
- ※ All the SIRUI Electronic Humidity Control Cabinets incorporate a Photocatalyst - a safe, powerful bacteriostatic antiseptic with antifungal, purifier and cleaning functions.

2 Safety Instructions

- ※ Please confirm the power supply is AC 110V~240V 50/60Hz before using.
- ※ Do not put your finger or stick anything into the grill on the back of the Cabinet.
- ※ Inexperienced people and children must use the cabinet under careful supervision and guidance.
- ※ Children should be supervised and should not play with or near the cabinet.
- ※ If the power cord is damaged, it must be replaced with an equivalent power cord. Contact the selling dealer or SIRUI for replacement parts.

3 Safe Operation

Please use the cabinet correctly, to prevent damage to the product or harm to yourself.

! Operating Instructions (Please follow the instructions to prevent damage to the product or harm to yourself.)		
 AC 110V~240V 50/60Hz Humidity control cabinet uses single phase alternating current AC 110V~240V 50/60Hz power source. Improper use of power source may cause fire or high temperature.	 Do not put the cabinet near an air-conditioner vent or in a room with changeable temperature, direct sunlight or excessive dust. Which may weaken the function of humidity removal.	 Keep the goods inside the cabinet at least 5cm (2inches) away from the Humidity Control Component. For proper air circulation and heat release.
 Use of excessive force when pulling out the shelves from the cabinet may cause the shelves to fall out or be damaged.	 The cabinet must be attached to the wall or a sturdy object if the cabinet will be placed on a high surface. To prevent the cabinet from falling and causing damage or personal injury.	 If there is any abnormal running or smell, please pull out the power plug immediately. Fire or electric shock may occur.
⚠ Warning! (Follow the instructions to prevent serious harm or damage.)		
 Do not put objects on top of the cabinet or step on the cabinet. This may damage the cabinet and/or cause personal injury.	 Do not put flammable and explosive things into the cabinet.	 Do not cover the vents behind the cabinet. Which may cause heat buildup and possible product failure.

4 Operation

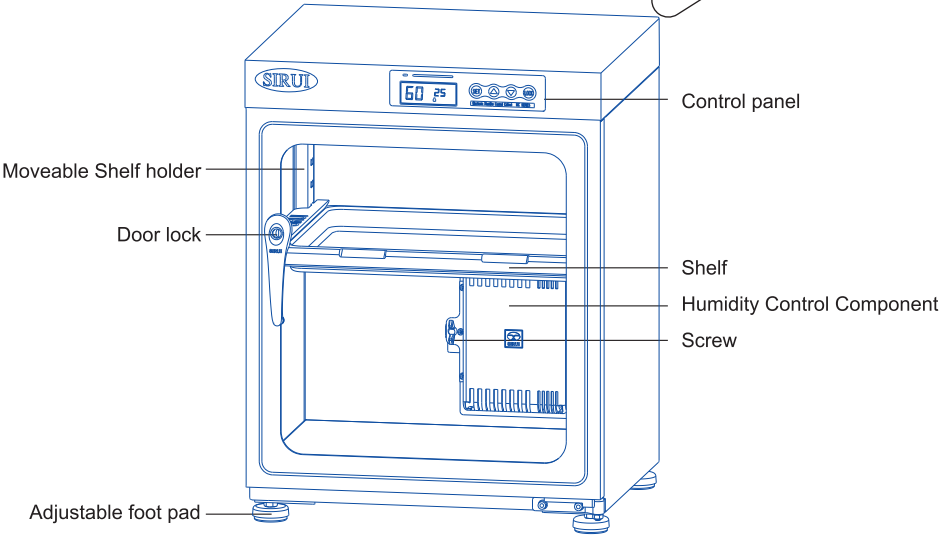
(1) Appearance

The following picture is only an example for instructional purposes. The actual appearance of your cabinet may be different from the picture.

**Caution**
Start and Run the cabinet for 4 hours before placing items in the cabinet.
Accuracy of the humidity control is +/- 5% RH
Factory pre-set of the cabinet internal humidity is 25%RH



Serial number on the back of the cabinet



(2) System Control

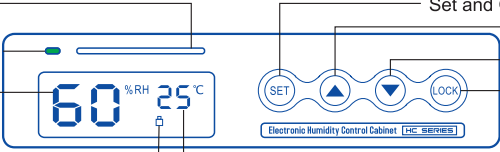
Lock Indicator Light
(Not available on HC30X, HC40X)

Humidity Control light (green light)

Humidity indicator

Lock Indicator
(Not available on HC30X, HC40X)

3 Temperature indicator



Set and Confirmation Button

UP

Down

Lock Button
(Not available on HC30X, HC40X)

Electronic Humidity Control Cabinet [HC SERIES]

5 Operation Method

(1) Humidity setting

When you plug in the HC, the system will scan automatically. After 30 seconds, the system will go into Power Saving Mode. Please refer to "Object Storage Humidity Reference Table" (Page 6) to find the corresponding humidity you want (the factory setting of the cabinet is 25% RH).

Unlock the display by pressing the "LOCK" button for 2 seconds.

Set your desired humidity by pressing the "SET" button first and the current humidity number will be flashing), Then press the "▲" / "▼" button to make this number increase/decrease. (The number will keep increasing/decreasing until you release the "▲" / "▼" button).

Press "SET" again, when you have the number you want. Now the humidity you set is recorded and the system is automatically back to normal operational mode.

(2) Keypad Lockout Function

The system will automatically lock after 10 seconds, if you do not touch the control panel ( sign appears). This means that any operation、 (like pressing "▲" or "▼"、 "SET") will not function.

(3) Unlock the keypad

Press the "LOCK" button for 2 seconds and the  sign disappears. You can then control the "▲" or "▼"、 "SET" buttons.

(4) Internal lighting and door open/locked indication

When you open the door, the interior cabinet light goes on and the Lock Indicator Light on the Control Panel goes on to indicate that the door is open. When closed, the Lock Indicator Light will go off and the door will lock.

(5) Activate the LCD's backlight

The LCD screen backlight and keypad illumination function or LCD digital display turns on when you press any button on the control panel in normal working mode. The light will turn off after 30 seconds.

(6) Shelf setting

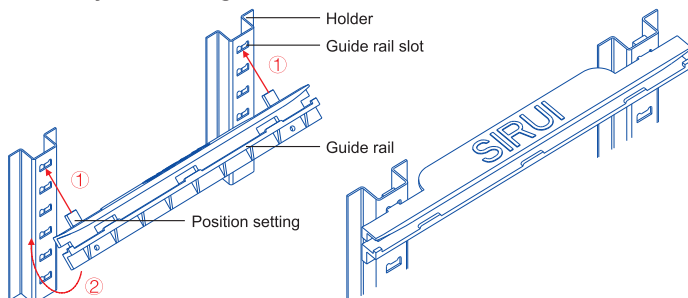
※ Please do not touch the internal Humidity Control Component when setting up the shelf and guide rail system.

※ Both guide rails must be set on the same slot height to ensure that the shelf is horizontal.

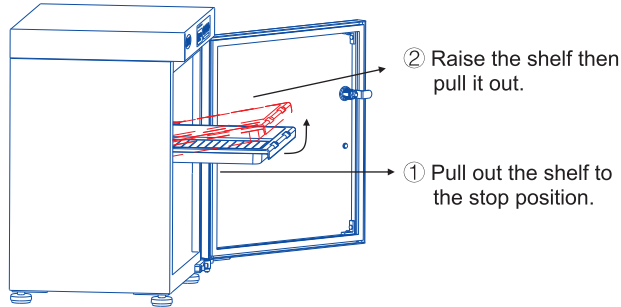
※ Set up the shelf and check whether the shelf is fixed.

※ Improper setting of the shelf may cause blocked moisture absorption window or affect the ventilation inside the cabinet.

① Shelf guide rail system setting



② Take out the shelf



6 Caution

- 1. Do not touch the power plug with wet hands, otherwise it may cause personal harm.
- 2. If the power cord is aged, broken, loose, or unusually hot, please replace it immediately to avoid fire.
- 3. When the cabinet is maintained, cleaned or moved, please turn off the power. Please pull out the power plug if the cabinet will not be used for a long time.
- 4. Do not put corrosive products like chemicals, flammable or explosive items into the cabinet, otherwise it may cause a fire or explosion.
- 5. Do not clean the cabinet with water. This may damage the electronics and cause a potential shock or fire hazard.
- 6. Make sure the items inside the cabinet are about 5cm away from the Humidity Control Component so that the system can be properly ventilated and heat can be dispersed.

7 Possible problems and troubleshooting

Problem	Possible reason	Solution
Still doesn't work when turned on	Is Power cord plugged in properly?	Make sure power supply and plug are in good condition and fully plugged into the outlet.
Humidity is not going to desired level	Does the article contain too much moisture?	Dry the article with fan before putting it in the cabinet.
	Inappropriate humidity setting.	Refer to the humidity recommendation for your article and set the proper one.
	Internal humidity is much higher than outside environment.	Set the internal humidity lower than outside environment.
	Opening or closing the door too often.	Reduce the number of times and length of time the door is opened.
	a. High heat from a nearby oven or other heat generating equipment may affect efficiency. b. The blowing from the air outlet of the air conditioner, fan or other equipment may affect air convection. c. The inner articles may block the ventilation outlet.	Stay away from places with high temperatures and strong airflow, Rearrange the inner articles to allow sufficient airflow or remove some articles. Do not block the ventilation outlet.

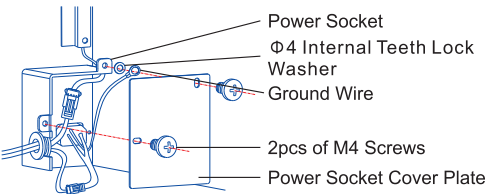
 Caution

- 1.Run the cabinet for 4 hours before placing items into the cabinet.
- 2.The temperature of the cabinet system will rise when it starts dehumidifying. It will last about 35 minutes (different size cabinets will take longer or shorter periods of time to stabilize).
- 3.Please fan dry items with lots of moisture, like paper, clothes, packing materials before putting into the cabinet.

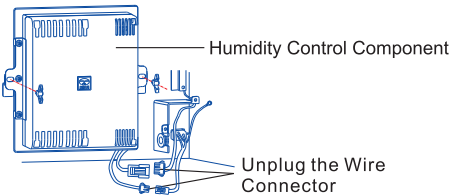
When the Humidity Control Component is not working, please remove the Component as follows (the power must be shut off first):

1.For HC Series Cabinets(HC30X and HC40X excluded)

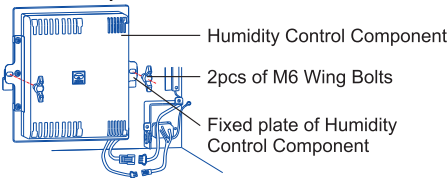
- ① Unscrew the 2pcs of M4 Screws, remove the cover of the Power Socket.



- ② Unplug the Wire Connector.



- ③ Loosen the 2pcs of Wing Bolts connected to the Humidity Control Component, then the Humidity Control Component can be dismantled.



8

Humidity recommendations: Reference Table

Relative humidity	Storage Items
55%-60%RH	Paper material: paintings, antiques, paper currency, old books, fax paper, copy paper, typing paper.
45%-55%RH	Optical equipment: video camera, acoustics, computer equipment, cameras, lenses, microscopes, CDs, telescopes, endoscopes, negative film, video tapes, microfilm, disk drives, lantern slides.
35%-45%RH	Precise Material: metal, nonmetal, metal powder product, electrical equipment, electronic product, semiconductors, capacitors, Printed Circuit Boards, tungsten filament, IC, battery. Rrecision machinery & instrument products: accessory, crystal, precision measuring tools, optical glass, spectrometer etc.
35%-25%RH	Chemical raw materials: pharmacy raw materials, spices, paint, powder, powder material, adhesives. Farm supplies: seeds, pollen, dried flowers.



Attention

The equipment cannot be used when the external relative humidity is lower than 25%

9 Packing List

S.N.	Description	Unit	HC110F
1	Power cord	set	1
2	Spare key	pcs	2
3	Moveable shelf	pcs	3
4	Shelf bracket	pcs	6
5	Shelf mat	pcs	4
6	Warranty card in English and Chinese (Scan the QR code to read the instructions)	pcs	1

10 HC series specification

Model	HC110F
Capacity (L)	110
Weight (kg)	23.5
Dimensions(mm) height×width×depth	820 × 450 × 380
Humidity control mode	Fully automatic electronic humidity control
Door material	Aluminum door frame, silk print tempered glass (PVC door frame for HC30X、HC40)
Cabinet body material	Cold rolled steel with powder coating
Nominal voltage	AC 110V~240V 50/60Hz
Power consumption (kW/month)	1.3 ~ 5.3
Quantity of shelves (set)	3

Product specifications are subject to change without prior notice.



HC110F

11 HC110F Fingerprint Door Opening Instructions

1. Open the door for the first time:

Use the USB input cable, which is also the smartphone charging cable, and the smartphone charger to power the cabinet for the first time. (The USB input cable is included in the plastic bag.) As shown in Fig.1.

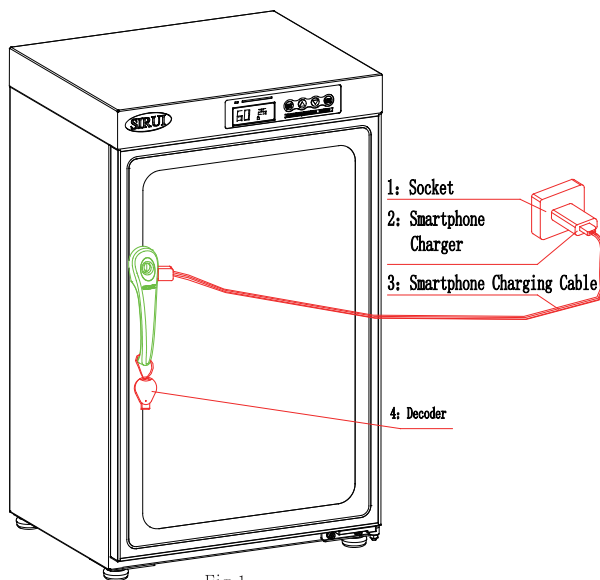


Fig.1

2. After electrifying, put any fingerprint on the fingerprint scanner and you can unlock and open the cabinet door. As shown in Fig.2.

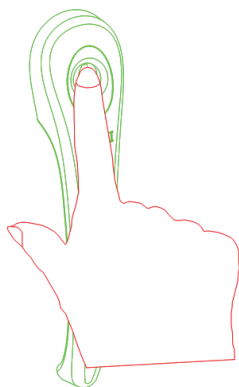


Fig.2

3. Put in the dry battery: After opening the door, put 4 dry batteries in the mechanical lock box inside the door and close the mechanical lock cover. (4 dry batteries and the mechanical lock cover are in the plastic bag.)

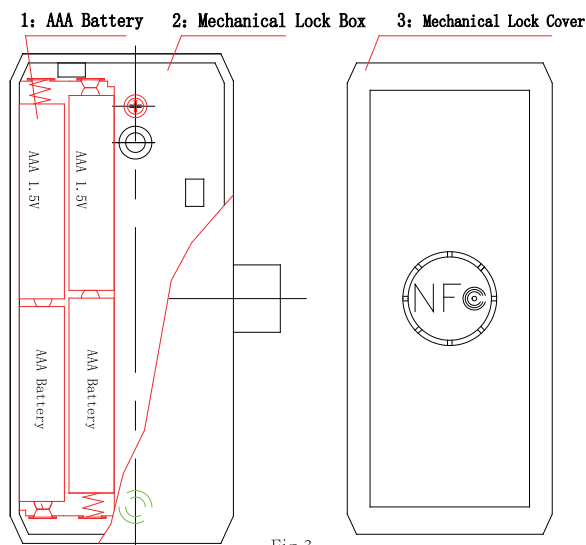


Fig.3

4. Input the first fingerprint:

Put the finger on the fingerprint scanner and if the light turns green, it means that the door is unlocked. Please don't move your finger and hold on for 5 seconds. The light will turn blue for 1 second and then go out. When the blue light is on again and shines for a long time, move your finger and begin to input the fingerprint. One fingerprint have to be scanned for 6 times. Every time it is scanned, the green light is on. Move your finger and the light turns blue. Now you have to wait. The light will turn green and shine for a long time till the fingerprint has already been scanned for 6 times. That means you have successfully input the first fingerprint. If the light turns red, it means failure.

5. Input the second fingerprint

Put the first fingerprint on the fingerprint scanner. When the light turns blue and shines for a long time, input the fingerprint you want. The process is just the same as that of the first fingerprint. The light will turn green and shine for a long time till that fingerprint has already been scanned for 6 times. That means you have successfully input the second fingerprint. If the light turns red, it means failure.

6. No more than 10 fingerprints can be input.

7. How to unlock:

Put the fingerprint which has been input successfully on the fingerprint scanner. If the green light flashes, it means the fingerprint is identified. Now, it is unlocked automatically. 2 seconds⁸ after unlocking, the light will turn blue for 1 second. Please open the door within 4 seconds, otherwise, the cabinet will be locked automatically.

8. Delete all the fingerprints:

Delete all the fingerprints: Long press the administrator fingerprint for 10 seconds. When the light turns blue first and then turns green and shines for a long time, it means all the fingerprints are deleted successfully.

9. When it is low battery, the red light will flash 3 times after unlocking. It means the batteries have to be changed.

10. When the dry batteries are dead:

You can plug in the USB cable (the smartphone charging cable) to supply power and unlock. As shown in Fig.1.

11. How to use the decoder:

When the fingerprint does not work, please insert the decoder, and put any fingerprint on the fingerprint scanner. The light turns red, green and blue continuously. When the light turns off, all the fingerprints are deleted. As shown in Fig.4.

(Attention: The decoder is hanging on the handle. And each decoder corresponds to one cabinet, so it cannot be used on other cabinets.)

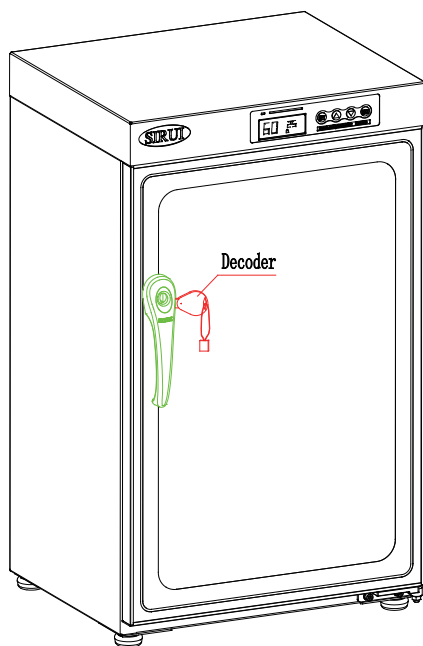
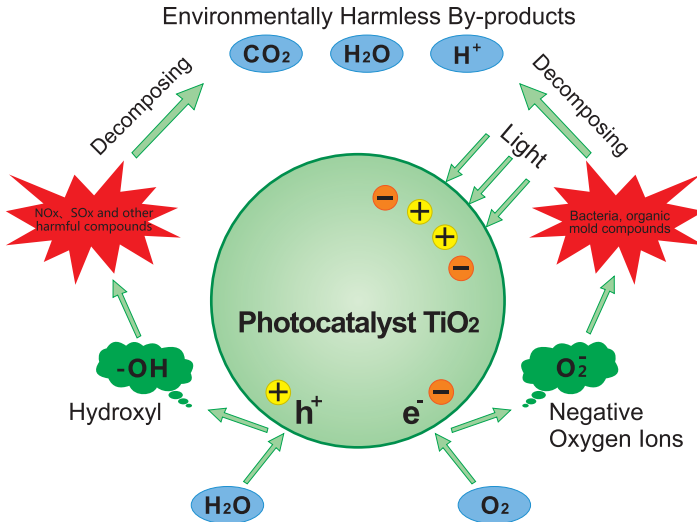


Fig.4

**Revolutionary industry innovation—
SIRUI creates high performance,
mildew-proof humidity control cabinets.**



Principles of Photocatalyst TiO_2

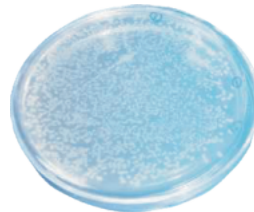


Under irradiation of light, Photocatalyst TiO_2 will produce a photocatalytic reaction like photosynthesis - oxygen. Due to the absorption of light energy, the interior will be excited and generate electron hole pairs (photo-generated carrier). The electron hole pairs will move to the surface of the Photocatalyst TiO_2 immediately and activate the adsorbed (stuck to the outside surface) oxygen and moisture, producing reactive free hydroxyl ($-\text{OH}$) and reactive oxygen ($-\text{O}$). The Photocatalyst TiO_2 has potent light oxidation reduction performance, and can oxidize and decompose all organic compounds and some inorganic substances. When the pollutant and bacteria adsorb onto the surface of the Photocatalyst TiO_2 , chain degradation reaction will occur, and convert the organic pollutant into harmless, pollution-free water (H_2O) and carbon dioxide (CO_2). This makes the Photocatalyst TiO_2 capable of sterilizing, deodorizing, mildew-proofing, dust-proofing, self-cleaning and purifying.

Photocatalyst TiO_2 converts the contacted organic compounds into CO_2 and H_2O with the oxygen molecule and water molecule in the air. The Photocatalyst TiO_2 itself doesn't change, but can promote a chemical reaction. The chemical reaction will last long, so the operating cost will be low. Photocatalyst itself is non-toxic and harmless, it has been widely used in the area of food, medicine, cosmetics, etc.

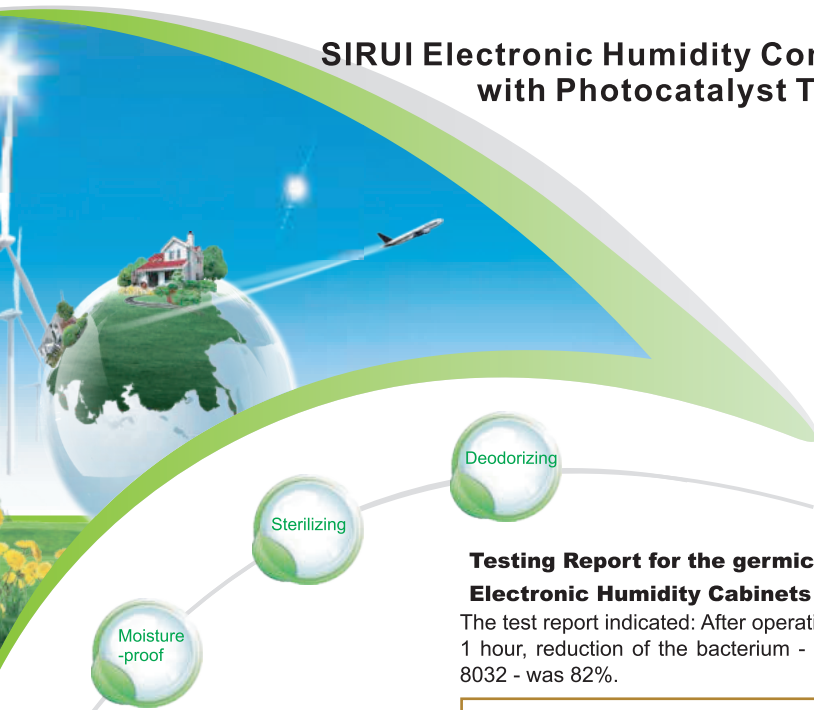


Photocatalyst TiO_2 Testing Group



Control Group

SIRUI Electronic Humidity Control Cabinet with Photocatalyst TiO₂



Testing Report for the germicidal rate of SIRUI Electronic Humidity Cabinets

The test report indicated: After operating the 50L cabinet for 1 hour, reduction of the bacterium - Staphylococcus albus 8032 - was 82%.

GENUINUM DETECTION CENTER OF MICROBIOLOGY
REPORT FORM - ANALYSIS

Tested Items: 50L Humidity Control Cabinet Test Laboratory: GENUINUM Test Sample Number:
 Requested by: Requested on:
 Location: Requested for:
 Test Date: Test Time: Test Result:
 Requested by: Requested by: Requested by:
 Test Method:

RESULTS

Tested Item(s)	Test Method	Test Result	Test Result (Reference)	Test Result (Reference)
1. Staphylococcus albus 8032	Staphylococcus albus 8032	1	1	1
2. Staphylococcus albus 8032	Staphylococcus albus 8032	1	1	1
3. Staphylococcus albus 8032	Staphylococcus albus 8032	1	1	1
4. Staphylococcus albus 8032	Staphylococcus albus 8032	1	1	1
5. Staphylococcus albus 8032	Staphylococcus albus 8032	1	1	1
6. Staphylococcus albus 8032	Staphylococcus albus 8032	1	1	1
7. Staphylococcus albus 8032	Staphylococcus albus 8032	1	1	1
8. Staphylococcus albus 8032	Staphylococcus albus 8032	1	1	1
9. Staphylococcus albus 8032	Staphylococcus albus 8032	1	1	1
10. Staphylococcus albus 8032	Staphylococcus albus 8032	1	1	1

The results of the test indicate that the reduction of the bacterium - Staphylococcus albus 8032 - was 82% after operating the 50L cabinet for 1 hour.

GENUINUM
DETECTION CENTER OF MICROBIOLOGY

(HC30X、HC40X excluded)

SIRUI Electronic Humidity Cabinets (Harmful fumes

hours, the removal rate for the Formaldehyde was 83.9%, and the removal rate for the Benzene was 86%.

CLINICAL INSTRUCTION CENTER OF MICROBIOLOGY

REPORT FOR ANALYSIS

Patient Name: <u>Mr. James M. Smith</u> Date of Birth: <u>10/15/1945</u> Referring Office: <u>Dr. J. M. Smith</u> Address: <u>1234 Main St., Suite 100</u> City: <u>Anytown, CA 90210</u> Phone: <u>(555) 123-4567</u> Test Date: <u>10/20/2024</u> Specimen: <u>Urine</u> Referral: <u>UTI</u>	No. of Specimens: <u>1</u> No. of Tests: <u>1</u> Specimen Received: <u>10/20/24</u> Report Received: <u>10/21/24</u> Testing Time: <u>10:00 AM - 5:00 PM</u> Facility: <u>CLIC</u>
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RESULTS

Organism	Media Used	Count		Reported as %
		Per 100 organisms (approx)	Per 1000 of total (approx)	
Streptococcus	100	100	100	100%
Staphylococcus	100	100	100	100%

Test results showed the following: The sample is positive for Streptococcus and Staphylococcus. The concentration is 100% and the count is 100 per 100 organisms.

(Print Name)

Remarks:

1. The specimen was analyzed within 24 hours.
 2. The results of this test are for informational purposes only.

Patient Name: Mr. James M. Smith Address: 1234 Main St., Suite 100 City: Anytown, CA 90210 Phone: (555) 123-4567 Test Date: 10/20/24 Specimen: Urine Referral: UTI

Page 1 of 1



使用说明书

HC110F系列电子防潮柜

202311

感谢您选购本公司电子防潮柜产品
为了您能够正确、安全的使用，请在使用前仔细阅读本说明书

目 录

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广东思锐光学股份有限公司

地址：广东省中山市五桂山第三工业区

电话：0760-88897373 传真：0760-88207062

服务热线：400 830 2299 <http://www.sirui.com>

投诉电话：181 6563 9388

仅限工作日 (8:15~12:15 14:00~18:00)

一 产品特点

1. 产品用途介绍

本公司的电子防潮柜能有效防止生霉、生雾、氧化锈蚀、材料变形、老化断裂、电子器件失效等，良好的储存环境，能有效延长产品的使用寿命。

- ※ 广泛用于储存纸类：如字画、古董、纸币、古书、传真纸、复印纸、打印纸等。
- ※ 广泛用于储存光学、电子器材：如高级镜头、摄影器材、摄像机、电脑用品、相机、镜头、显微镜、CD、望远镜、底片、影带、微缩影片、幻灯片等。
- ※ 广泛用于储存精密材料：如金/银等贵金属、非金属、金属粉末制品；电器、半导体、电容器、印刷电路板、钨丝、IC、电池等。
- ※ 精密机器仪器产品：晶体、精密量具、光学镜片、单光仪、分光仪等。

2. 产品特点

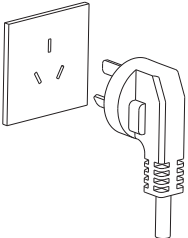
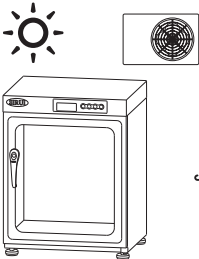
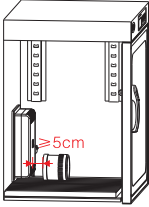
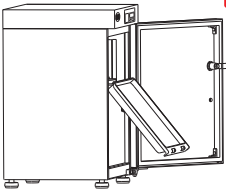
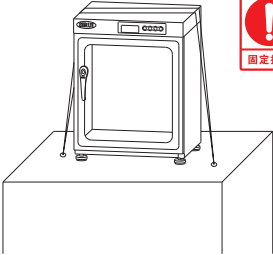
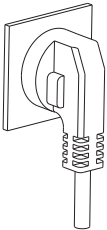
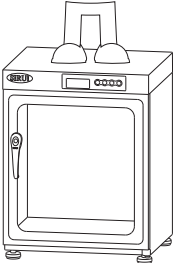
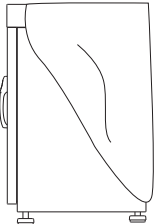
- ※ 本公司的电子防潮柜采用高性能防潮主机、微电脑全自动湿度控制，全自动除湿。
- ※ 温度、湿度通过LCD屏数字显示，直观明了等特点。
- ※ 防潮主机用防火材料精制而成，具有快速、高效、节能、无污染。
- ※ 内藏式湿度控制，避免外露故障及误触危险。
- ※ 箱体采用高强度钢板制作，高频氩弧精密焊接。
- ※ 玻璃门采用高质量汽车钢化玻璃，防水防尘以及气密性好。
- ※ 断电后仍可长时间保持柜内低湿度。
- ※ 思锐防潮柜产品全部安装有光触媒，强效抑菌杀菌、防霉，同时还具备除臭、抗污、净化功能。

二 安全说明

- ※ 请先确认电源是AC 110V~240V 50/60Hz。
- ※ 勿将手指或棒状物伸入防潮主机格栅内，以免损坏防潮主机仓门。
- ※ 本设备在缺乏经验和知识、身体上和心理上障碍的人（包括儿童），必需要在专人的安全监督和指引下使用。
- ※ 儿童应被监督，确保他们不会玩耍本设备。
- ※ 如果电源线毁坏，必需要有特定的电源线替换，或者由服务机构或厂商进行维修。

三 安全使用

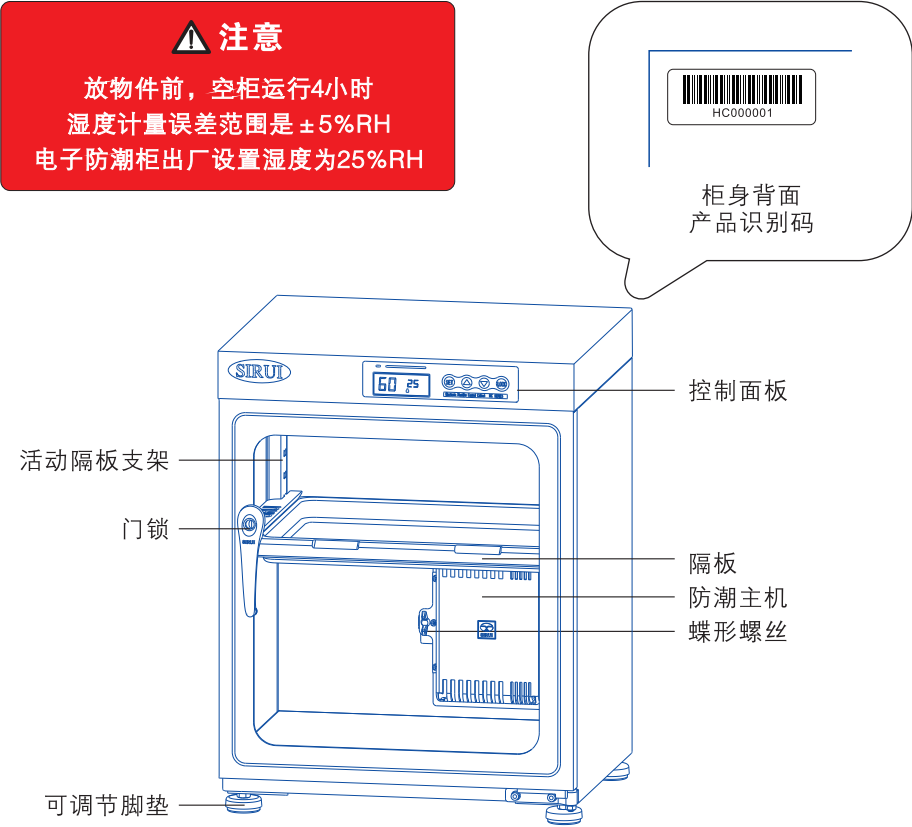
以下按照因误操作而引起的危险轻重程度区分说明

! 指示操作(违反标识事项时, 有可能发生轻微的伤害或产品损伤)		
 AC 110V~240V 50/60Hz 防潮柜使用单相交流 AC 110V~240V 50/60Hz电源。 使用电源不当可能引起火灾、高温。	 不要在出风口、温度变化强烈、阳光直射、尘埃多的地方放置防潮柜。 可能引起除湿功能下降。	 放置物品时, 确保物品与防潮主机周边间隙保持5cm以上。 便于主机排气、散热及防止物品损坏(因防潮主机可能会发热)。
 抽取柜内的隔板时不要过用力。 可能导致隔板跌落、损坏。	 如果柜机放置在高处, 必须将柜机固定到稳定的物体上。 可能引起倾倒、损坏、伤人。	 运行异常时或发出异味时请迅速拔掉电源插头。 可能引起火灾、触电。
⊘ 禁止操作(违反标识事项时, 有可能发生严重的伤害)		
 柜体上禁止承载过重物体或者人体直接踩。 可能引起柜体倾倒、变形。	 禁止放置易燃易爆物品到柜内。 易燃易爆、挥发性化学物品可能引起爆炸火灾。	 禁止运行时吸湿窗口或排湿窗口被物件覆盖。 导致防潮主机散热受阻而产生故障。

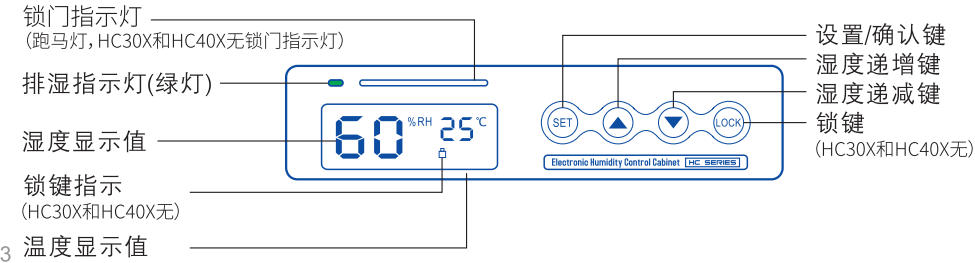
四 操作说明

1. 外观结构说明

下列图示仅为事例说明，您的防潮柜外形可能与此不完全相同，以实物为准。



2. 控制系统说明



1. 湿度设定

插上电源，系统自动扫描，30秒后进入省电模式。

电子防潮柜出厂时设置湿度为25%RH，参照物品储存湿度参考表（第6页）设置与您的物品相适应的湿度。

先长按“LOCK”键2秒，LCD屏上的锁键“”消隐，按“SET”键，显示原湿度设定值并闪烁，此时按一下“▲”或“▼”键，湿度值会作加或减变化（若长按“▲”或“▼”键不放，湿度值会不停作加或减变化），当完成设定后，按“SET”键确认，系统自动记录已设湿度值并返回运行模式。

2. 锁键功能

10秒内没有在控制面板上进行操作，系统自动进入按键自锁状态，LCD的右下角显示出一个锁键符号“”，此时“▲”、“▼”和“SET”进行操作是无效的。

3. 解锁功能

锁定状态下长按“LOCK”2秒后，锁键符号“”消隐；此时可对“SET”“▲”或“▼”进行操作。

4. 柜内照明及锁门提示

当开锁打开柜门时，柜内LED照明灯亮；同时薄膜按键面上的锁门指示灯跑动闪亮，关上柜门后LED照明灯及锁门指示灯自动熄灭。

5. 唤醒背光功能

在运行状态下按任意键可唤醒LCD背光功能或数码管数字，背光持续时间为30秒。

6. 隔板设定

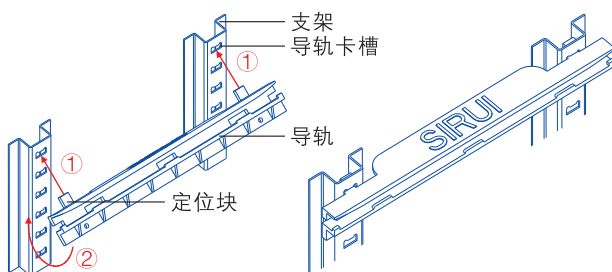
※ 在设置、安装隔板和导轨时注意不要碰到防潮主机。

※ 确保导轨定位块处于支架前后同一高度，同时左右也处于同一高度卡槽。

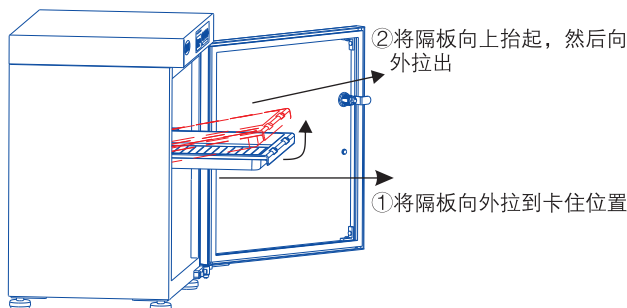
※ 放好隔板并检查固定情况。

※ 隔板放置不当，可能会阻塞防潮主机吸湿窗口或影响柜内空气流通。

1) 隔板导轨的安装



2) 隔板的取出



六

使用注意事项

1. 拔插电源插头时请注意不要湿手进行操作，避免带来人身安全隐患。
2. 检查电源线及插头有无老化、破裂现象，有无松动等现象，有无异常发热现象，如有请马上更换，以免接触不良造成发热及火灾等安全事故。
3. 维护、清理或移动电子防潮柜时，请先切断电源，长期不使用电子防潮柜请将插头拔出。
4. 请勿将有腐蚀性的物品如化学品、易燃易爆品等放入柜内，以免引起火灾。
5. 清洁防潮柜时，避免防潮主机及电器件进水而导致功能故障或火灾事故。
6. 使用中确保柜内放置物件与防潮主机之间有5cm左右距离，确保防潮主机通风散热。

七

常见现象与故障排除

故障与现象	原因分析	排除方法
通电后不开机	电源插头是否正确	确保电源电压正确，插头接触良好，并且电源接通
湿度降不下来	存放物件水份含量是否太高	先用风扇吹干湿气重的物件再存放
	设置湿度方式不当	参照湿度设定值进行操作并确认
	设置湿度是否比外界湿度高	请设定湿度值比外界湿度低
	柜内物品放入过多，导致影响吸湿的对流作用	重新整理柜内物品
	a. 周围是否有高温的发热体（如烤箱之类的） b. 周围是否有冷气空调出风口或风扇等易影响气体对流的设备 c. 摆放的物品是否把防潮主机的通风口阻塞	远离高温、空气流动大的地方； 重新整理柜内物品； 不要阻塞防潮主机的通风口

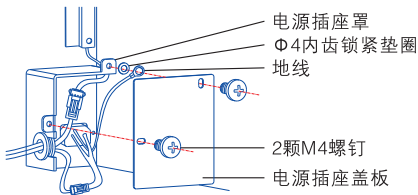
⚠ 注意

1. 放物件前，空柜运行4小时。
2. 除湿时，防潮主机表面温度会升高，发热时间约35分钟（不同机型有些差别）。
3. 存放湿气重的物品如纸类、布类、包装类，请用风扇吹干后再存放。

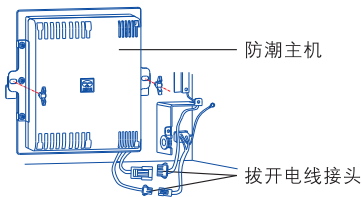
如遇防潮主机有问题，需要拆下，按如下步骤进行(必须先断开电源):

一、适用：HC系列防潮柜

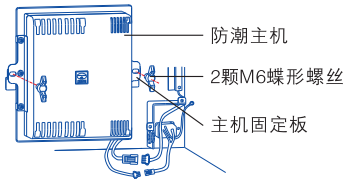
1. 拧下2颗M4螺钉，将电源插座盖板拆下



2. 将与主机连接的电线接头拨开



3. 将固定防潮主机的2颗蝶形螺丝松开，就可以拆下防潮主机



八

物品储存湿度参考表

相对湿度值	适合储藏物品
55%-60%RH	纸类：画、古董、纸币、古书、传真纸、复印纸、打印纸等
45%-55%RH	光学：摄像机、音响、电脑用品、相机、镜头、显微镜、CD、望远镜、内视镜、底片、影带、微缩影片、磁碟机、幻灯片等
35%-45%RH	精密材料：金属、非金属、金属粉末制品、电器、电子产品、半导体、电容器、印刷电路板、钨丝、IC、电池等； 精密机器仪器产品：附件、耗材、晶体、精密量具、光学镜片、单光仪、分光仪等
35%-25%RH	化工原料：制药原材料、调料、涂料、粉料、粉末材料、接着剂； 农园研究用品：种子、花粉、干燥花等



注意

环境相对湿度值25%RH以下禁止使用

九 包装清单

序	名称	单位	HC110F
1	电源插头线	套	1
2	钥匙	把	2
3	隔板	块	3
4	导轨	件	6
5	海绵	件	4
6	中英文通用保修卡	份	1

+ HC系列参数表

型号	HC110F
容量(L)	110
重量(kg)	23.5
规格高×宽×深(mm)	820×450×380
湿度控制方式	全自动电子除湿
门材质	铝门框、丝印钢化玻璃
箱体材质	冷轧钢板，粉末喷涂
额定电压	AC 110V~240V 50/60Hz
耗电量(kW/月)	1.3~5.3
隔板数量(套)	3

以上参数信息如有变更，恕不另行通知，敬请原谅！



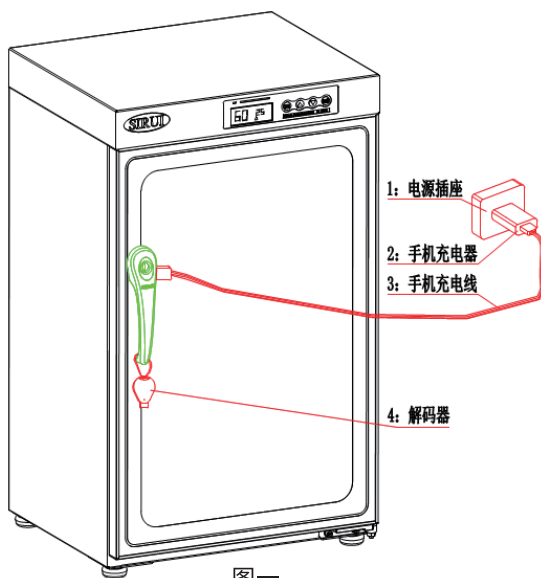
HC110F



HC110F指纹开门说明

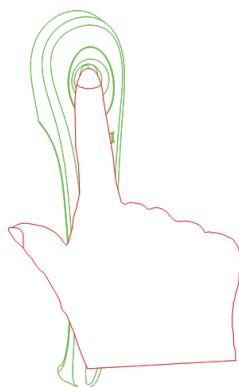
1. 第一次开门：

用外接USB输入线，即手机充电线（已配备，在说明书胶袋内）用手机充电器第一次给柜子通电。如下图一：



图一

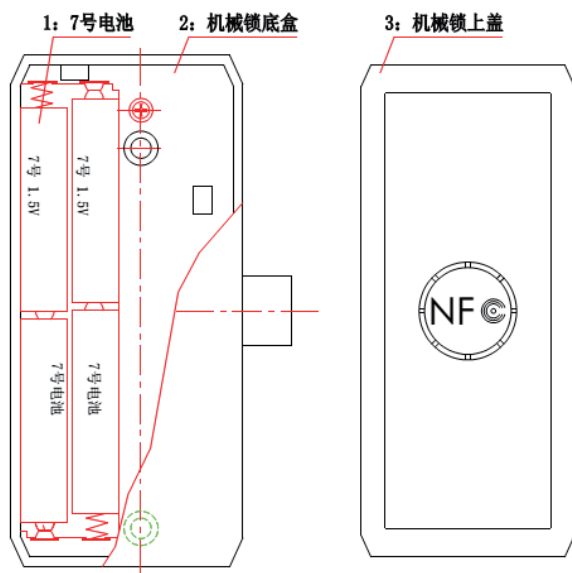
2. 通电后，用任何指纹放在指纹头上，就可以开锁，把柜门打开。如下图二 用任何指纹开门：



图二

3. 装入干电池：

柜门打开后，把4节干电池装入门内的机械锁底盒内，然后盖上机械锁上盖。
(4节干电池和机械锁上盖放在说明书胶袋内) 如下图三：



图三

4. 第一枚指纹录入：

手指放在指纹头上，亮绿灯，表示已开锁，此时手指不要拿开，长压指纹头5秒，蓝灯先亮1秒，熄灭。蓝灯再次亮起，且长亮，然后松开手指，开始录入指纹，同一手指纹采集6次。每采集一次，绿灯亮一次，手指拿开，又回到蓝灯进行等待，直至采集6次为止绿灯长亮，表示第一枚指纹录入成功。如果红灯亮，录入失败。

5. 第二枚及更多指纹录入：

将第一枚指纹放在指纹头上，等待蓝灯长亮后，将需要录入的指纹放在指纹头上，与第一枚指纹录入相同，直至采集6次为止绿灯长亮，表示第二枚指纹录入成功。如果红灯亮，录入失败。第一枚和第二枚指纹为管理员指纹。以此类推：可以录入第三枚指纹，第四枚等。

6. 指纹录入最多不超过10枚。

7. 开锁操作：

使用已成功录入的指纹按在指纹头上，绿灯闪一下，表示指纹识别正确，系统自动开锁。
开锁后2秒蓝灯亮1秒，4秒内请将柜门打开。4秒后系统自动复位上锁。

8. 删除全部指纹：

管理员指纹长压10秒，先亮蓝灯，后绿灯长亮，表示全部指纹删除成功。

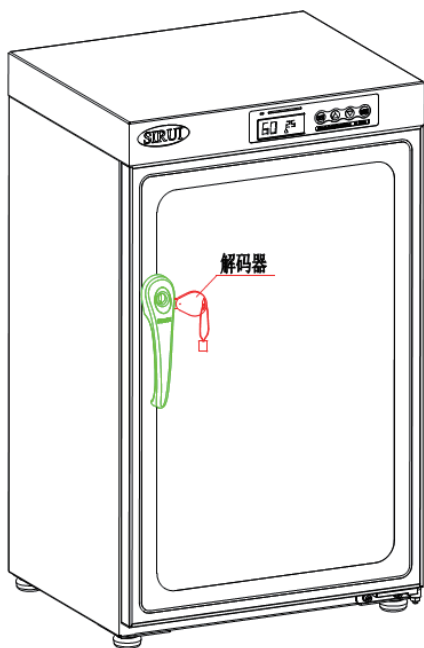
9. 当电池电量过低时，开锁后红灯会快闪3次，表示需要更换电池。

10. 干电池没电时：

可以外接USB输入线（即手机充电线）供电进行应急开锁如图一所示

11. 解码器使用：

当指纹出现不灵或故障时，插入解码器，用任意指纹按一下，红绿蓝三种指示连续闪烁，灯熄灭，则全部指纹删除成功。如图四所示：（注：解码器挂在拉手上，解码器与柜子一一对应，不能互换）



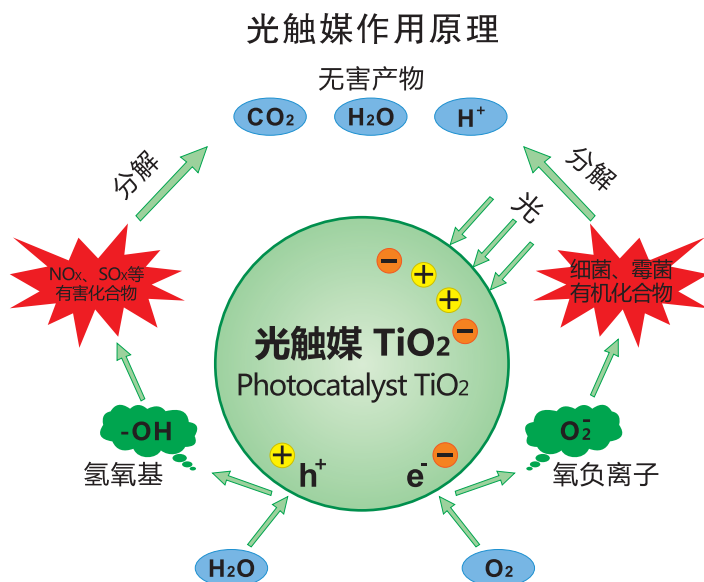
图四



光触媒作用原理、作用效果检测介绍

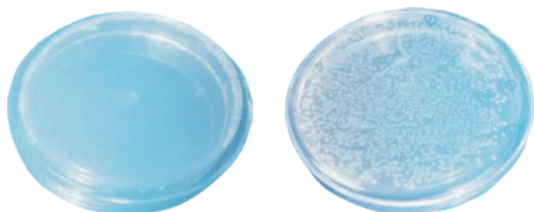
行业革命性 创新，

打造至高防霉级别防潮柜！



光触媒在光的照射下，会产生类似光合作用的光催化反应，其内部由于吸收光能而激发产生电子·空穴对，即光生载流子，然后迅速迁移到其表面并激活被吸附的氧和水分，产生活性自由氢氧基 ($\cdot\text{OH}$) 和活性氧 ($\cdot\text{O}$)，具有很强的光氧化还原功能，可氧化分解各种有机化合物和部分无机物，当污染物以及细菌吸附其表面时，就会发生链式降解反应，把有机污染物分解成无污染的水(H_2O)和二氧化碳(CO_2)，因而具有极强的杀菌、除臭、防霉、防污自洁、净化空气功能。

光触媒利用空气中的氧分子及水分子将所接触的有机物转换为二氧化碳和水，自身不起变化，却可以促进化学反应的物质，有效期非常长久，维护成本低。光触媒本身无毒无害，已广泛用于食品、医药、化妆品等各种领域。



光触媒实验组

对照组

思锐电子防潮柜

光触媒 TiO_2

除臭

杀菌

防潮

思锐电子防潮柜对细菌杀灭率的检测报告
检测结果表明：在 50L 试验箱内，开启送检样品作用 1 小时后，对白色葡萄球菌 (*Staphylococcus albus* 8032) 的杀灭率约 82%

广东省微生物检测中心
Guangdong Microbiology Testing Center
地址：广州市天河区五山路 486 号
电话：020-87521111

送检日期：2014年10月10日 送检单位：思锐电子防潮柜有限公司
样品名称：白色葡萄球菌 (Staphylococcus albus) 菌株
检测项目：杀菌率检测
检测方法：参照 GB 15981-2002 标准
检测环境：25±2℃, 相对湿度 40%~60%
检测人员：XXX
审核人员：XXX

检测结果表

菌株名称	接种量 (CFU)	采样量 (CFU)	存活量 (CFU)	杀灭率 (%)
白色葡萄球菌 (Staphylococcus albus) 菌株	1.0 × 10 ⁶	1.0 × 10 ⁶	1.8 × 10 ⁵	82

检测结论：在 50L 试验箱内，开启送检样品作用 1 小时后，对白色葡萄球菌 (*Staphylococcus albus* 8032) 的杀灭率约 82%。

检测单位：广东省微生物检测中心
检测日期：2014年10月10日
检测地点：广东省微生物检测中心实验室



思锐HC系列防潮柜产品(除HC30X、HC40X外),全部安装有光触媒,强效抑菌杀菌、防霉,同时还具备除臭、抗污、净化功能。

思锐电子防潮柜对污染物：甲醛、苯等有害物质产生异味、臭味去除率的检测报告
检测结果表明：在50L试验箱内，开启送检样品作用24小时后，污染物甲醛(Formaldehyde)的去除率为83.9%，苯(Benzene)的去除率为86%。

广东省微生物检测中心
检测报告

样品名称：防潮柜
样品来源：思锐电子防潮柜
检测方法：GB 18204.2-2015
检测日期：2023.10.10
检测地点：广东省微生物检测中心

检测项目：甲醛、苯

检测结果：

检测项目	检测标准	检测结果	备注
甲醛	GB 18204.2-2015	0.01	
苯	GB 18204.2-2015	0.01	

检测结论：在50L试验箱内，开启送检样品作用24小时后，污染物甲醛(Formaldehyde)的去除率为83.9%，苯(Benzene)的去除率为86%。

检测单位：广东省微生物检测中心
检测人员：XXX
检测日期：2023.10.10

Global Distributor Directory



Products Info



Official Website

News and Tutorials



YouTube

Services



Facebook

Thank you for purchasing SIRUI products! SIRUI will provide free warranty service if the product fails due to poor materials and workmanship under normal use.

The global agents are ranked in no particular order. If after-sales service is required, please contact the local agent first.

Headquarter of SIRUI Optical Co., Ltd.

After-Sale Service Hotline: 400 830 2299

Complaints Hotline: 181 6563 9388

Singapore/T K Foto Technic Pte Ltd

Address: Funan 107 North Bridge Rd #03-09 Singapore 179105

Tel: +65 6904 6610 **Fax:** +65 6904 6620

http: //www.tkfoto.com.sg **E-mail:** ark@tkfoto.com.sg

India/Foto centre Trading Pvt. Ltd

Address: Foto Centre Trading Pvt.Ltd* 303, 3rd Floor, Ravi Building, 189-191, Dr. D. N. Road, Mumbai-400 001.Maharashtra,India **Tel:** 0091-9820110120

http: //www.sirui.in **E-mail:** info@sirui.in

Canada/LightPro Group Inc

Address: 3206 Wharton Way Mississauga, ON L4X 2C1

Toll Free: 1-800-361-9682 **Tel:** 905-940-9262

http: //www.lightprogroup.com **E-mail:** Sales@lightprogroup.com

Kazakhstan/PSP Digital

Address: г. Алматы, проспект Абая 130 (территория ЖК «Абай 130»)

Tel: 8 707 217 03 99 8 707 958 54 94

http: //pspdf.kz/contacts **E-mail:** pspkz@mail.ru

Russia /REQUIRED, LLC

Address:

Tel: 8 (499) 500-96-27

http: //kremlinstore.ru **E-mail:** order@kremlinstore.ru

Romania/West Buy S.R.L

Address: Bdul. Mircea Voda nr. 36, Sector 3, Bucharest, Romania, 030688
Telephone: +(4)021.3205652 **Tel/Fax:** +(4)021.3205655 **Mobile:** +(4)0745414956
Mobile: +(4)0752111704 **Mobile:** +(4)0756111947 **Mobile:** +(4)0752110439
http: //www.westbuy.ro **E-mail:** westbuy1@gmail.com

Slovenia/Infocona d.o.o

Address: Prevale 9, 1236 Trzin
Tel: 01/ 562 00 61 **http:** // **E-mail:** info@infocona.si

Turkey/siruiturkiye

Address: Çobançesme Mah. Sanayi Cad. Kımız Sk. No:12 Yenibosna Bahçelievler, İstanbul
Tel: 0(850)222 37 73
http: //www.siruiturkiye.com **E-mail:** oceltikci@esseggrup.com

Hong Kong/HONG KONG RUIJIE TRADING COMPANY LIMITED

Address: UNIT C 15/F HUA CHIAO COMM CTR 678 NATHAN RD MONGKOK KL
Tel: 00852-9409 5241
http: // **E-mail:** paulli34@foxmail.com

South Africa/Sunshine Distribution PTY LTD

Address: 29 Keyes Avenue, Rosebank Johannesburg, 2196, South Africa
Mobile: +27 79 641 0288 **Phone:** +27 11 268 0803
http: //www.sunshineco.co.za **E-mail:** Willem@sunshineco.co.za

Israel/Argol LTD

Address: 19 Hamerkava st.Holon 5885113 Israel
Tel: +972-3-5581901-6 **Fax:** +972-3-5501148
http: //www.argol.co.il **E-mail:** eli@argol.co.il

Malaysia/Leomax (M) Sdn Bhd

Address: B-5-7, block B, Pusan komersial southgate Jln dua, off jln Chan sow Lin 55200 Kuala Lumpur, Malaysia **Tel:** (+603)9224 2001
http: //www.leomax.com.my **E-mail:** account@leomax.com.my

Panama /TODO FOTO PANAMA

Address: Avenida Justo Arosemena y Cl. 45 Este,Panamá Ciudad de Panamá
Tel: 225-4620 / 203-1288
http: //www.todofotopanama.com **E-mail:** rosa@todofotopanama.com

Nigeria/Nextgen Media Ltd

Address: 73, Allen Avenue, Ikeja, Lagos
M. +234 (0) 805 1987 394 | +234 (0) 909 1094 565
http: //www.nextgentv.tv **E-mail:** Afolasade.OK@nextgentv.tv

Ukraine/BIGggSALE.com

Address: Ровно: ул. Данила Галицького 19, 718 офис. (Главный офис)
Tel: (096)308-36-00;(063)308-36-00;(066)308-36-00
http: //BIGggSALE.com **E-mail:** shop@bigggssale.com

Luxembourg /TSE Imaging BV

Address: Argonweg 135, 1362 AD Almere,
Tel: +31 (0) 36 8450348
http: //www.tseportal.nl **E-mail:** service@tokina.eu

Belgium/TSE Imaging BV

Address: Argonweg 135, 1362 AD Almere,
Tel: +31 (0) 36 8450348
http: //www.tseportal.nl **E-mail:** service@tokina.eu

Italy /TOSCANA FOTO SERVICE S.r.l.

Address: Via Ponte all' Asse, 2/4, 50019 Sesto Fiorentino (FI)
Tel:
http: //www.sirui-italia.it **E-mail:** info@fotocomm.it

Poland/Focus Nordic

Address: Al. Jerozolimskie 180, 02-486 Warszawa
Tel: +48 697 991 248
http: //www.focusnordic.pl **E-mail:** info@focusnordic.pl

Republic of Lithuania /Focus Nordic

Address: Vienibas Avenue 109, LV-1058 Riga Latvia

Tel: +37 06 12 86 120

http: //www.focusnordic.lt **E-mail:** info@focusnordic.lt

Sweden/Focus Nordic AB

Address: Bergsjödalen 48, 41568 Gothenburg

Tel: +46 31 336 23 00

http: //www.focusnordic.com **E-mail:** info@focusnordic.se

Norway/Focus Nordic

Address: Ringeriksveien 164, 1339 Vøyenenga

Tel: +47 67 17 37 00

http: //www.focusnordic.no **E-mail:** info@focusnordic.no

Finland/Focus Nordic

Address: Knitter Business Park, Kutojantie 6-8, FI-02630 Espoo

Tel: +35 89 42 83 41 01

http: //www.focusnordic.fi **E-mail:** info@focusnordic.fi

Denmark/Focus Nordic

Address: Erhvervsvej 30, DK-2610 Rodovre

Tel: +46 31 336 23 00

http: //www.focusnordic.dk **E-mail:** info@focusnordic.dk

Iceland/Focus Nordic

Address:

Tel: +46 31 336 23 00

http: //www.focusnordic.is **E-mail:** info@focusnordic.is

Latvia /Focus Nordic

Address: Vienibas Avenue 109, LV-1058 Riga Latvia

Tel: +46 31 336 23 00

http: //www.focusnordic.lv **E-mail:** info@focusnordic.lv

Sri Lanka/CameraLK Store

Address: CameraLK Colombo: 263, Highlevel Road Colombo 05 00500 - Western

CameraLK Majestic City: No 28, 3rd Floor Majestic City Colombo 04 00400 - Western

CameraLK Kandy: 127A 1/1 D S Senanayake Veediya Kandy 20000 - Central Province
0812233872

Tel: +(94) 117 817 870

http: //www.cameralk.com **E-mail:** ushitha@cameralk.com

Kenya/Cameras Africa

Address: Nairobi along Kenyatta Avenue, next to Phoenix House. 1 Min Walk from Sentrim 680
Hotel

Tel: 00254722764900

http: //www.camerasafrica.com **E-mail:** sales@camerasafrica.com



Garantie
Warranty
Garantía
Garanzia



SIRUI Professional Photographic Equipment

Category	Warranty Period	Kategorie	Garantiezeit
Tripods, Heads	6 Years	Stative, Stativköpfe	6 Jahre
Lighting Products	2 Years (Free replacement for one year)	Beleuchtungsprodukte	2 Jahre (kostenloser Ersatz für 1 Jahr)
Optical Lenses	1 Year	Objektivprodukte	1 Jahr
Humidity Control Cabinets	6 Years (Electronic components: 3 years)	Humidor-Schränke	6 Jahre (3 Jahre auf elektronische Teile)
Accessories	2 Years	Zubehör	2 Jahre

Model, Modell, Modèle, Modelo

Date, Datum, Fecha, Data

Dealer, Händler, Marchand, Comerciante, Negociante

European Service Center:

SIRUI Optical GmbH • Ernst-Augustin-Str. 1a • 12489 Berlin • Germany

Phone: +49 30 991 94 94 00

Email Address : info@siruioptical.eu

Deutsch

Die SIRUI Optical GmbH, Ernst-Augustin-Str. 1a, 12489 Berlin, gewährt Käufern eine Garantie von 6 Jahren ab Kaufdatum auf die Freiheit von Herstellungs- und Materialfehlern dieses Produkts. Von dieser Garantie nicht erfasst sind Schäden durch mechanische Beeinträchtigungen, große Hitze, nicht bestimmungsgemäße Verwendung sowie Abhandenkommen. Diese Garantie gilt nur in Verbindung mit dieser Garantiekarte und einem in Europa ausgestellten Kaufbeleg. Die gesetzlichen Rechte – insbesondere die gesetzlichen Gewährleistungsrechte – bleiben hiervon unberührt. Im Garantiefall wenden Sie sich bitte an das umseitig genannte Servicecenter.

English

SIRUI Optical GmbH, Ernst-Augustin-Str. 1a, 12489 Berlin, guarantees purchasers that this product will remain free from manufacturing and workmanship defects for 6 years from the date of purchase. Damage caused by mechanical damage, excessive heat, improper use and loss are not covered by this warranty. This warranty is valid only in connection with this warranty card and a receipt issued in Europe. Statutory rights – in particular the statutory warranty rights – remain unaffected. In the event of a warranty claim please contact the service centre listed overleaf.

Français

La société SIRUI Optical GmbH, Ernst-Augustin-Str. 1a, 12489 Berlin, Allemagne, offre aux acheteurs une garantie de 6 ans, à compter de la date d'achat, contre tous défauts de fabrication ou de matériaux. Cette garantie ne couvre pas les dommages causés par des problèmes mécaniques, la chaleur excessive, l'utilisation abusive et la perte. La garantie est uniquement valable si associée à la présente carte de garantie et une preuve d'achat délivrée en Europe. Les droits légaux – en particulier les droits de garantie prévus par la loi – restent inchangés. En cas de recours à la garantie, veuillez vous adresser au centre de service mentionné au recto.

Italiano

La SIRUI Optical GmbH, Ernst-Augustin-Str. 1a, 12489 Berlin, offre agli acquirenti una garanzia di esenzione da difetti di fabbrica e di lavorazione di questo prodotto, della durata 6 anni dalla data di acquisto. Tale garanzia non copre alcun danno causato da guasto meccanico, calore eccessivo, uso improprio nonché perdita. La garanzia è valida solo se accompagnata dalla presente scheda di garanzia e ad una prova di acquisto rilasciata in Europa. I diritti legali – in particolare, i diritti di garanzia previsti dalla legge – rimangono inalterati. In caso di intervento in garanzia, si raccomanda di rivolgersi al centro di assistenza indicato sul retro.

Español

La sociedad SIRUI Optical GmbH, Ernst-Augustin-Str. 1a, 12489 Berlin, otorga a sus compradores una garantía de 6 años a partir de la fecha de compra por los vicios ocultos y defectos de fabricación de este producto. La garantía no cubrirá los daños ocasionados por desgastes mecánicos, altas temperaturas, un uso no conforme con lo prescrito o por pérdida o extravío, y sólo será válida presentando esta carta de garantía y el comprobante de compra expedido en Europa. Lo anterior no afectará a los derechos legales y, en particular, a los derechos de garantía legales. En el caso contemplado en la garantía, le rogamos se ponga en contacto con el Centro de atención al cliente, cuya dirección consta en el dorso de esta carta de garantía.

Português

A SIRUI Optical GmbH, Ernst-Augustin-Str. 1a, 12489 Berlin, garante aos seus clientes uma garantia de 6 anos a partir da data de aquisição relativa à liberdade de defeitos de produção e fabrico do produto. Esta garantia não cobre danos causados por efeitos adversos decorrentes de avaria mecânica, calor excessivo, utilização indevida, ou perda. Esta garantia é apenas válida mediante apresentação deste cartão de garantia e um recibo emitido na Europa, sem prejuízo dos direitos legais (em particular, os direitos legais de garantia). Em caso de reclamação, contate o centro de serviço referido no verso.

SIRUI

Professional Photographic Equipment

Warranty



SIRUI USA, LLC

For technical support, service or repairs please, contact:
29 Commerce Court Verona, NJ 07044
info@sirui.com Phone: 866-373-0829

Thank you for your purchase of Sirui professional products! Sirui warrants that your purchase is free from defects in materials and workmanship, under normal use during the Limited Warranty period. The warranty period starts on the original date of purchase on your sales receipt. If service is required, please include a copy of the sales receipt and this warranty card, with an explanation of the problem. Please store your sales receipt and warranty card in a safe location.

Category	Warranty Period
Tripods, Heads	6 Years
Lighting Products	2 Years (Free replacement for one year)
Optical Lenses	1 Year
Humidity Control Cabinets	6 Years (Electronic components: 3 years)
Accessories	2 Years

Model purchased : _____

Date : _____

Store : _____

Serial number : _____

Sirui USA Limited Warranty

This warranty is limited to the repair, adjustment and/or replacement, at Sirui or its authorized distributor's option, of defective parts, free of charge (except the cost of transportation to the distributor/service center). Responsibility is limited to actual cost of item.

Register online at www.sirui.com. Call or email with questions or problems, before sending product in for repair. For warranty service on product purchased in the USA, all shipping and insurance charges must be prepaid. Include a copy of the sales receipt, this warranty card and an explanation of the problem. The product or defective part(s) may be sent through a local authorized SIRUI USA dealer or directly to the SIRUI USA distributor/service center indicated on this warranty card. Sirui will not be responsible for expenses or inconveniences, or consequential damages to equipment, or by breach of any expressed or implied warranty.

Out-of-warranty repairs - An estimate (including shipping costs) will be provided by the SIRUI USA distributor/service center indicated on this warranty card and repairs will begin once the estimate is approved and payment is received. A return shipping fee will be charged for refused estimates.

Limitations

Warranty is non-transferable. This warranty covers all defects encountered in normal use of the equipment and does not apply in the following cases:

- 1) If the equipment has been serviced by other than an authorized Sirui distributor or service center.
- 2) Damage to the equipment due to modification, overloading, mishandling, abuse, accident, sand, corrosives, water damage or not following operating instructions.
- 3) No valid proof of purchase is provided.
- 4) Damage caused by acts of nature (including, but, not limited to fires, floods or earthquakes).

This warranty is only valid when product is purchased from an authorized SIRUI USA dealer.

Please visit SIRUI's USA official website or consult the local dealer for the Return and Exchange Policy.