

# TEST REPORT

<b>Client Name</b>	Shenzhen Sincoole Technology Co.,Ltd
<b>Name of product</b>	PAD
<b>Manufacturer</b>	Shenzhen Emdoor Information Technology Co.,Ltd
<b>Model/Type</b>	ST81
<b>Test sort</b>	Commission test



**CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.**

Address: Building 28, 29 Shigu east Xili Factory District Xili Road Nanshan District ShenZhen Guangdong China  
P.C.: 518055  
TEL: 86-755-26627338  
Internet: [http:// www.ccic-set.com](http://www.ccic-set.com)  
FAX: 0755-26627238  
E-Mail: [manager@ccic-set.com](mailto:manager@ccic-set.com)

**CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.****TEST REPORT**

Name of sample	PAD		Trade mark	/	
Manufacturer	Shenzhen Sincoole Technology Co.,Ltd		Model/Type	ST81	
Client	Shenzhen Sincoole Technology Co.,Ltd		Sampling method	/	
Sampler	/		Amount of samples	/	
Sampling place	/		Quantity of samples	1 pieces	
Production date	/	Sampling date	/	Application data	2015-10-28
Test date	2015-10-29		Environment condition	24~28℃, 62~75%RH	

## Sample description:

Before testing, sample's appearance is good, and the function is normal.

## Test items:

IP67 test

## Test standard reference:

IEC 60529-2013 Degrees of protection provided by enclosures(IP)code

## Summary:

The product has been tested and found in compliance with the requirements.

## Test conclusion:

Pass

(Stamp)

Tested by: 陈华君

Reviewed by: 王峰

Approved by: 吴波

2015Y 11M 03D

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**Table 1:Test items**

Result Fail or Pass	Item	Test(s)	Reference Standard
<input type="checkbox"/> F <input checked="" type="checkbox"/> P	1	IP6X test	EN 60529
<input type="checkbox"/> F <input checked="" type="checkbox"/> P	2	IPX7 test	EN 60529

Item 1	Test requirements	Verdict
<b>IP6X</b>	<p>Test requirements:</p> <p>The sample (first characteristic IP numeral 6) shall be tested in a dust chamber similar to that shown in Figure 6, in which talcum powder is maintained in suspension by an air current. The chamber shall contain 2 kg of powder for every cubic metre of its volume. The talcum powder used shall be able to pass through a square-meshed sieve whose nominal wire diameter is 50 <math>\mu</math> m and whose nominal free distance between wires is 75 <math>\mu</math> m. It shall not have been used for more than 20 tests. The test shall proceed as follows:</p> <p>a) The luminaire is suspended outside the dust chamber and operated at rated supply voltage until operating temperature is achieved.</p> <p>b) The luminaire, whilst still operating, is placed with the minimum disturbance in the dust chamber.</p> <p>c) The door of the dust chamber is closed.</p> <p>d) The fan/blower causing the talcum powder to be in suspension is switched on.</p> <p>e) After 1 min, the luminaire is switched off and allowed to cool for 3 h whilst the talcum powder remains in suspension.</p> <p>Test result:</p> <p>1. no deposit of talcum powder inside enclosures for dust-tight luminaires;</p> <p>2. no damage, for example, cracking or breakage of a protective shield or glass envelope, such that safety or protection against the ingress of moisture is impaired.</p> <p>If fail, the result:</p>	Pass



Item 2	Test requirements	Verdict
IPX7	<p>The test is made by completely immersing the enclosure in water in its service position as specified by the manufacturer so that the following conditions are satisfied:</p> <ul style="list-style-type: none"><li>a) the lowest point of enclosures with a height less than 850 mm is located 1000 mm below the surface of the water;</li><li>b) The highest point of enclosures with a height equal to or greater than 850mm is located 150mm below the surface of the water;</li><li>c) The duration of the test is 30min;</li><li>d) The water temperature dose not differ from that of the equipment by more than 5K. However, a modified requirement may be specified in the relevant product standard if the tests are to be made when the equipment is energized and/or its parts in motion</li></ul> <p>Test result:</p> <ul style="list-style-type: none"><li>1. no trace of water on current-carrying parts ;</li><li>2. there shall be no water entry;</li><li>3. no damage, for example, cracking or breakage of a protective shield or glass envelope, such that safety or protection against the ingress of moisture is impaired.</li></ul> <p>If fail, the result:</p>	Pass

## Photo document

during test

IPX7



IP6X



Sample photo





## Test Equipment List

Device	Manufacture	Model No.	Serial No.	Calibration due date
Sand and dust test chamber	KEXIANG	KXT410	A1109745	2015-12-23
IP Test equipment	KEXIANG	KXT302	A1109744	2016-08-26
Temperature/humidity/clock	Shanghai Meteorological Instrument Factory Co., Ltd.	ZJ1-2B	808187	2015-12-12



## STATEMENT

- 1. The test report is invalid without stamp of laboratory.**
- 2. The test report is invalid without signature of person(s) testing and authorizing.**
- 3. The test report is invalid if erased and corrected.**
- 4. Test results of the report is valid to the test samples if sampling by client.**
- 5. “☆”item cannot be Accredited by CNAS.**
- 6. The test report shall not be reproduced except in full, without written approval of the laboratory.**
- 7. If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.**

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