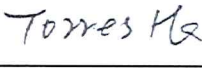




# TEST REPORT

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                              |                                                                                       |                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>Kunde:</b><br><i>Client:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Foshan City Shunde District Oukai Electrical Technology Co.,LTD                              |                                                                                       |                                                   |
| <b>Adresse:</b><br><i>Address:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No 8, Huakou Huafa Rd, Ronggui Town, Shunde District, Foshan City, Guangdong Province, China |                                                                                       |                                                   |
| <b>Hersteller:</b><br><i>Manufacturer:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Foshan City Shunde District Oukai Electrical Technology Co.,LTD                              |                                                                                       |                                                   |
| <b>Adresse:</b><br><i>Address:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No 8, Huakou Huafa Rd, Ronggui Town, Shunde District, Foshan City, Guangdong Province, China |                                                                                       |                                                   |
| <b>Name der Marke:</b><br><i>Brand Name:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | GOKDA                                                                                        |                                                                                       |                                                   |
| <b>Beschreibung des Produkts:</b><br><i>Product Description:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Imitation ecological mosquito control system                                                 |                                                                                       |                                                   |
| <b>Modelle:</b><br><i>Models:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | H-BS700-TYN, H-BS700                                                                         |                                                                                       |                                                   |
| <b>Bewertung:</b><br><i>Rating:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | AC110-240V, 50/60Hz, 8-12W; DC11.1V                                                          |                                                                                       |                                                   |
| <b>Gegenstand der Prüfung:</b><br><i>Test item:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IPX4 Test                                                                                    |                                                                                       |                                                   |
| <b>Verfahren:</b><br><i>Method:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IEC 60529:1989+A1:1999+A2:2013                                                               |                                                                                       |                                                   |
| <b>Prüfergebnis*:</b><br><i>Test result*:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Pass                                                                                         |                                                                                       |                                                   |
| <b>Wareneingangsdatum:</b><br><i>Date of sample receipt:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Datum der Prüfung:</b><br><i>Date of Test:</i>                                            | <b>Datum der Emission:</b><br><i>Date of Issue:</i>                                   | <b>Klassifizierung:</b><br><i>Classification:</i> |
| 2025/9/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2025/9/11                                                                                    | 2025/9/12                                                                             | Commission Test                                   |
| <b>Prüflabor (Testlabor) / Testing Laboratory:</b><br>Shenzhen Southern LCS Compliance Testing Co., Ltd.<br>Room 101-201, Building 39, Xialang Industrial Zone, Heshuikou Community, Matian Street, Guangming District, Shenzhen, Guangdong, China                                                                                                                                                                                                                                                                                                                                                             |                                                                                              |                                                                                       |                                                   |
| <b>Test von/Test by:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Check von/Check by:</b>                                                                   | <b>Genehmigt von/Approved by:</b>                                                     |                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |  |                                                   |
| Rose Cao/ Project Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Torres He/ Director                                                                          | Jesse Liu/ Manager                                                                    |                                                   |
| <b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b><br><i>Remark: The duplication of this report or parts of it and its use for advertising purposes is only allowed with permission of the testing laboratory. This report contains the result of examination of the product sample submitted by the applicant. A general statement concerning the quality of the products from the series manufacturer cannot be derived therefore.</i> |                                                                                              |                                                                                       |                                                   |



**General remarks:**

1. The test results presented in this report relate only to the object tested.
2. This report shall not be reproduced, except in full, without the written approval of the Issuing Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the Testing Laboratory, responsible for this Test Report.
3. The general information of applicant and manufacturer (such as the name and address), product name, model/type reference, trademark and other similar information contained in this report are all provided by the applicant, the laboratory is not responsible for verifying its authenticity.

**Modified Information**

| Version | Report No.    | Revision Date | Summary          |
|---------|---------------|---------------|------------------|
| V1.0    | LCSB08185115S | /             | Original Version |

**General product information:**

- All models are identical except for the model name.
- Unless otherwise specified, the model H-BS700-TYN was chosen as representative model to perform all tests.

**Equipment used during test:**

| ID Number  | Instrument                         | Model/<br>Type | Calibration Date |
|------------|------------------------------------|----------------|------------------|
| SLCS-S-033 | Spatter/rush showering equipment   | BL             | 2024/12/14       |
| SLCS-E-027 | Temperature and humidity barometer | /              | 2025/4/22        |
| SLCS-S-011 | J Thermocouple                     | J              | 2025/4/28        |
| SLCS-S-029 | Temperature recorder               | 34970A         | 2025/4/30        |



**Test Item:**

Test for second characteristic numeral 4 with oscillating tube or spray nozzle

**Atmospheric conditions for water or dust tests:**

Air pressure: 86 kPa to 106 kPa

Temperature range: 15°C to 35°C

Relative humidity: 25 %RH to 75 %RH

**Test samples:**

Clean and new samples were tested.

**Test Method:**

The test is made using one of the two test devices described in figure 4 and in figure 5 in accordance with the relevant product standard.

a) Conditions when using the test device as in figure 4 (oscillating tube): The oscillating tube has spray holes over the whole 180° of the semicircle. The total flow rate is adjusted as specified in table 9 and is measured with a flow meter. The tube is caused to oscillate through an angle of almost 360°, 180° on either side of the vertical, the time for one complete oscillation ( $2 \times 360^\circ$ ) being about 12 s. The duration of the test is 10 min.

If not specified otherwise in the relevant product standard, the support for the enclosure under test is perforated so as to avoid acting as a baffle and the enclosure is sprayed from every direction by oscillating the tube to the limit of its travel in each direction.

b) Conditions when using the test device as in figure 5 (spray nozzle):

The counterbalanced shield is removed from the spray nozzle and the enclosure is sprayed from all practicable directions.

The rate of water flow and the spraying time per unit area are as specified in 14.2.3(table 9).

**Acceptance Conditions:**

It is the responsibility of the relevant Technical Committee to specify the amount of water which may be allowed to enter the enclosure and the details of a dielectric strength test, if any. In general, if any water has entered, it shall not:

- be sufficient to interfere with the correct operation of the equipment or impair safety;
- deposit on insulation parts where it could lead to tracking along the creepage distances;
- reach live parts or windings not designed to operate when wet;
- accumulate near the cable end or enter the cable if any.

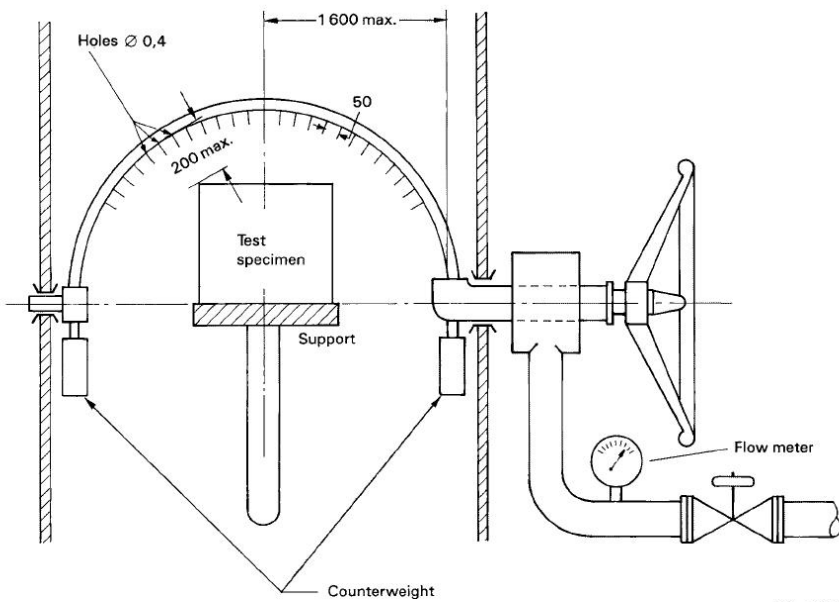
If the enclosure is provided with drain-holes, it should be proved by inspection that any water which enters does not accumulate and that it drains away without doing any harm to the equipment.

For enclosures without drain-holes, the relevant product standard shall specify the acceptance conditions if water can accumulate to reach live parts.

**Test Result:**

☒ Pass ☐ Fail



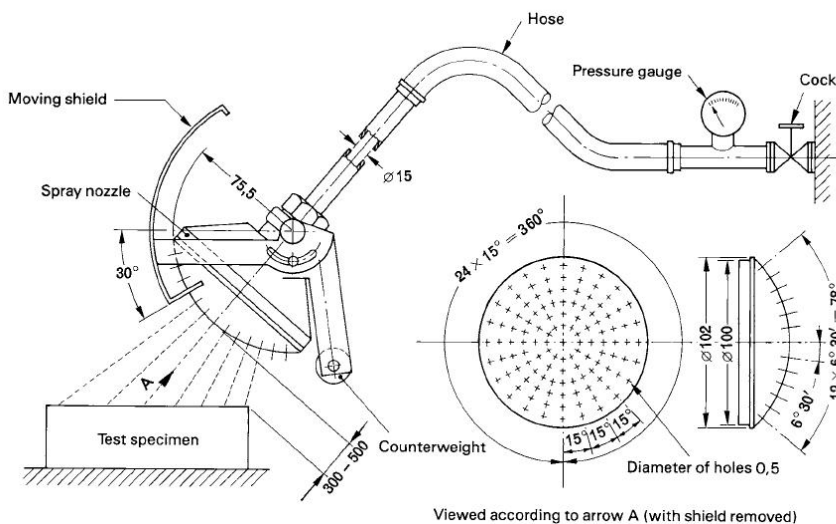


IEC 282/01

Dimensions in millimetres

NOTE The range of holes is shown as for second characteristic numeral 3 (see 14.2.3 a)).

Figure 4 – Test device to verify protection against spraying and splashing water; second characteristic numerals 3 and 4 (oscillating tube)



Viewed according to arrow A (with shield removed)

IEC 283/01

Dimensions in millimetres

- 121 holes of Ø 0,5;
- 1 hole at the centre
- 2 inner circles of 12 holes at 30° pitch
- 4 outer circles of 24 holes at 15° pitch
- Moving shield – Aluminium
- Spray nozzle – Brass

Figure 5 – Hand-held device to verify protection against spraying and splashing water; second characteristic numerals 3 and 4 (spray nozzle)



**Table 9 – Total water flow rate  $q_v$  under IPX3 and IPX4 test conditions –  
Mean flow rate per hole  $q_{vI} = 0,07$  l/min**

| Tube radius<br>$R$<br>mm | Degree IPX3                         |                                    | Degree IPX4                         |                                    |
|--------------------------|-------------------------------------|------------------------------------|-------------------------------------|------------------------------------|
|                          | Number of<br>open holes<br>$N^{1)}$ | Total water flow<br>$q_v$<br>l/min | Number of<br>open holes<br>$N^{1)}$ | Total water flow<br>$q_v$<br>l/min |
| 200                      | 8                                   | 0,56                               | 12                                  | 0,84                               |
| 400                      | 16                                  | 1,1                                | 25                                  | 1,8                                |
| 600                      | 25                                  | 1,8                                | 37                                  | 2,6                                |
| 800                      | 33                                  | 2,3                                | 50                                  | 3,5                                |
| 1 000                    | 41                                  | 2,9                                | 62                                  | 4,3                                |
| 1 200                    | 50                                  | 3,5                                | 75                                  | 5,3                                |
| 1 400                    | 58                                  | 4,1                                | 87                                  | 6,1                                |
| 1 600                    | 67                                  | 4,7                                | 100                                 | 7,0                                |

<sup>1)</sup> Depending on the actual arrangement of the hole centres at the specified distance, the number of open holes  $N$  may be increased by 1.



**Photo Documentation:**

Photo 1: Overall view of model H-BS700-TYN

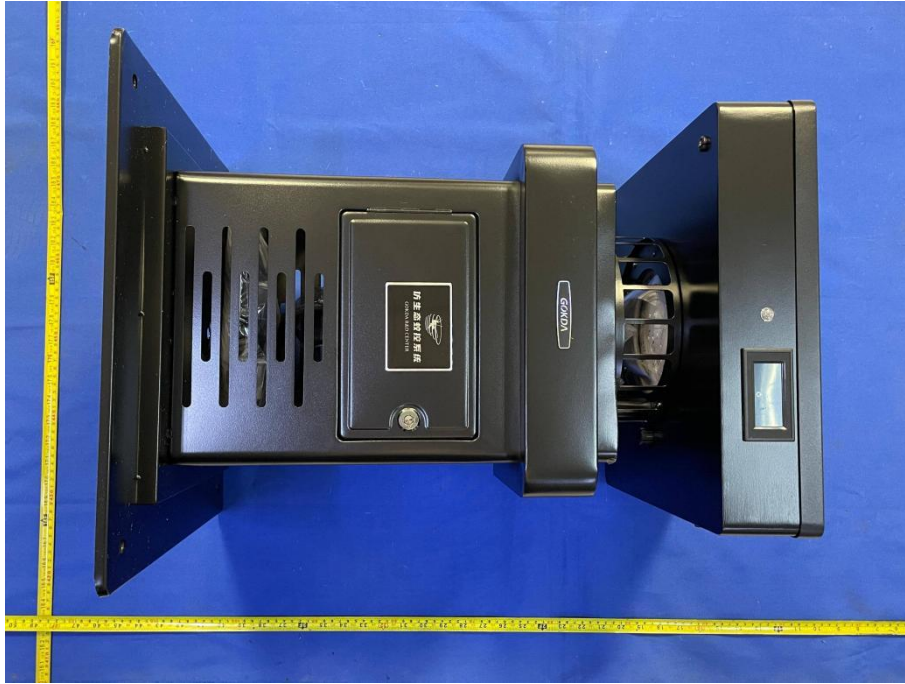


Photo 2: Overall view of model H-BS700-TYN



**Photo Documentation:**

Photo 3: IPX4 test of model H-BS700-TYN

**Photo Documentation:**

Photo 4: Test result of IPX4 test

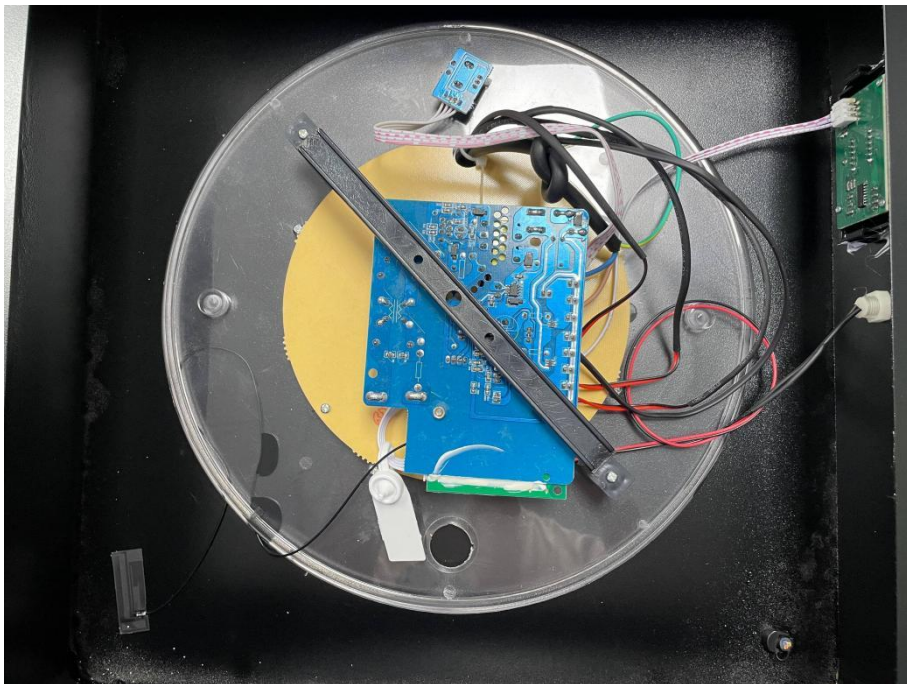


Photo 5: Test result of IPX4 test

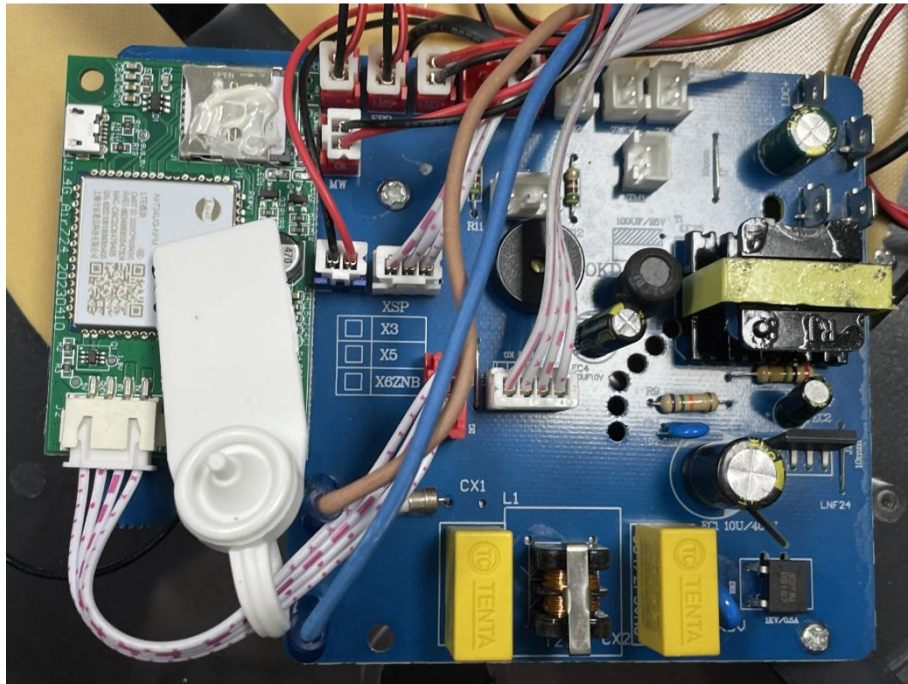
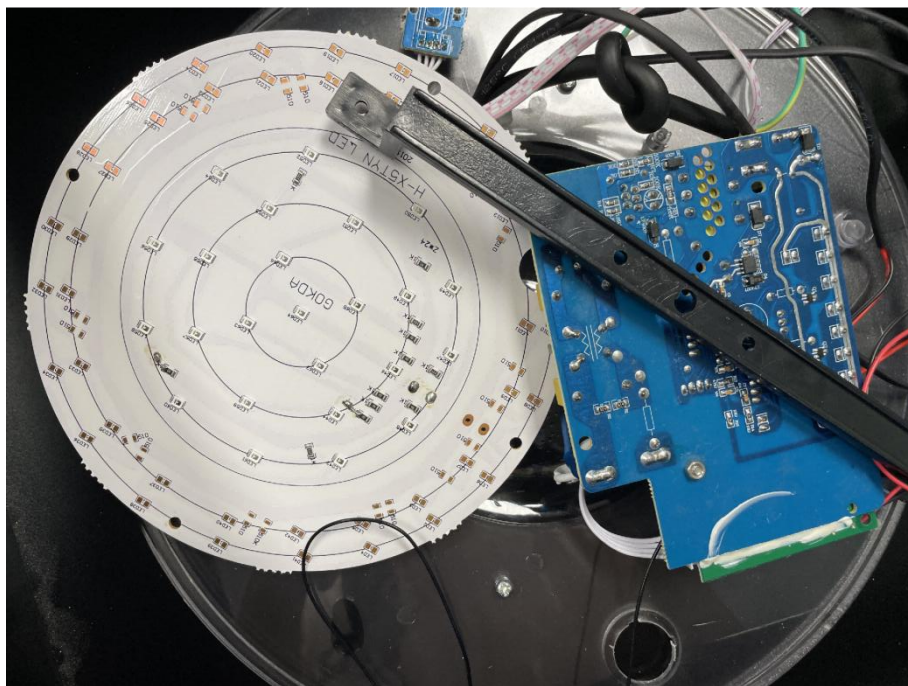


Photo 6: Test result of IPX4 test



----- End of Test Report-----

