

TEST REPORT

Applicant : HYDRIM ELECTRONICS CO., LTD
Address : 4F, East, BlockB, North Junyi Ind park Cuigang 6th
District HuaiDe, Fuyong Town
Manufacture : HYDRIM ELECTRONICS CO., LTD
Address : 4F, East, BlockB, North Junyi Ind park Cuigang 6th
District HuaiDe, Fuyong Town
Report Number : KA1003047
Total Page : 6 Pages
Issue Date : March 23, 2010

Sample Description

Model Name : IP65 BOX FOR SENSOR
Model No. : HC-IP65
Trademark : HYTRONIK
Date Received : March 18, 2010
Date Test Conducted : March 18, 2010 to March 22, 2010
Testing Laboratory : EMTEK
Address : Bldg 69, Majialong Industry Zone, Nanshan District,
Shenzhen, Guangdong, China
Test Location : As above
Test Item : IP 65
Test Requested : As the requirement of client
Test Result : As the requirement of client
Remark : 1) This report shall not be reproduced except in
full without the written approval of the testing
laboratory.

*****End of Page*****

Tested by:

Yuping
Yuping Xu
Engineer

Reviewed by:

William Guo
William Guo
Manager



TEST REPORT

Test Items:

Report Number: KA1003047

Ambient Temperature, °C 25 **RELATIVE HUMIDITY, %** 70

Test Items: Water-spill Test

Test Method:

Test sample: 001

Test equipment: Pendular WaterProof Tester

Reference Standard: IEC 60529-2002

Test condition:

The test performed in accordance to the criteria listed above, and under the conditions as below.

--Flux: 12.5±0.5L/minute

--Diameter of spout: 6.3mm

--Hydraulic pressure: adjusted so as to have required flux.

--Main stream: round stream with diameter of 40mm (away from the spout for 2.5m)

--Average test time: About 1 min/m²

--Total test time: 3min at least.

--Distance from the spout to the shell of EUT: 2.5-3m

Perform Per-Test Check after completion of the Non-Operating test.

Test Result: After the test, there was no water entered the sample, and the function was normal, so the sample Pass the test.

TEST REPORT

Test Items:

Report Number: KA1003047

Ambient Temperature, °C _____ 25 _____ **RELATIVE HUMIDITY, %** _____ 70 _____

Test Items: Dust-proof Test

Test Method:

Test sample: 002

Test equipment: Sand and dust Tryout case

Reference Standard: IEC 60529-2002

Test condition:

The test performed in accordance to the criteria listed above, and under the conditions as below.

-- The test is made using a dust chamber incorporating the basic principles shown in Fig. 2 whereby the powder circulation pump may be replaced by other means suitable to maintain the talcum powder in suspension in a closed test chamber. The talcum powder used shall be able to pass through a square-meshed sieve the nominal wire diameter of which is 50 mm and the nominal width of a gap between wires 75 mm. The amount of talcum powder to be used is 2 kg per cubic metre of the test chamber volume. It shall not have been used for more than 20 tests.

--Test time: 8h

Perform Per-Test Check after completion of the Non-Operating test.

Test result: After the test, there was no dust entered the sample. The function was normal, so the sample passed the test



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Test Equipment List

Report Number: KA1003047

<u>Series No.</u>	<u>Equipment</u>	<u>Model/Type</u>	<u>PRODUCER</u>
A0411367	Sand and dust Tryout case	SC-500	Guangzhou Gongwen Test Facility Co.,Ltd
A0302196	Pendular WaterProof Tester	BT-T002-D4	LiTeng Machine Factory
A8708056	Humidity & Temperature	ZJ-1-2B	Japan

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Photo-documents

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Fig.1 View before Water-spill & Dust-proof Test



Fig.2 View after Water-spill Test

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Fig. 3 View after Dust-proof Test