

TEST REPORT

Product Name : Green Laser Distance Meter
Model Number : LM100GA , LM50GA , LM70GA

Prepared for : UNI-TREND TECHNOLOGY (CHINA) CO.,LTD.
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Report Number : EDG2401020161R00101R
Date(s) of Tests : 2024.01.03 to 2024.01.05
Date of Issue : 2024.01.08



Applicant : UNI-TREND TECHNOLOGY (CHINA) CO.,LTD.
Address : No 6, Gong Ye Bei 1 st Road, Songshan Lake National High-Tech Industrial Development Zone, Dongguan
Sample Name : Green Laser Distance Meter
Model Number : LM100GA , LM50GA , LM70GA
Sample Quantity : 2PCS
Date of Received : 2024.01.02

Test Summary

No.	Test Item	Test Standard	Test Conclusion
1	IP6X	IEC 60529:1989/AMD2:2013/COR1:2019	Pass
2	IPX5	IEC 60529:1989/AMD2:2013/COR1:2019	Pass
Remark: Pass: Test item meet the requirement; Fail: Test item does not meet the requirement; N/A: Test case does not apply to the test object, or provide test results only.			

Signed for and on behalf of
EMTEK (Dongguan) Co., Ltd.

Inspected by: keel.shu
Inspected engineer

Reviewed by: Li Lijuan
Reviewed director

Approved by: lcov. xhang
Authorized signatory



1. Test Item: IP6X

1.1 Sample No.: E2401020161-01

1.2 Test Equipment(s):

Name	Model	Serial No.	Valid Date to
Sand and dust test chamber	GT1321C	E-R-034	2024.03.07

1.3 Laboratory Conditions: Temperature: 21.1℃; Humidity: 59.2%RH

1.4 Test Standard: IEC 60529:1989/AMD2:2013/COR1:2019

1.5 Test Conditions:

The object probe with diameter of $1.0^{+0.05}_0$ mm pushed against any openings of the enclosure with the force of $1N \pm 0.1N$.

The sample was put into a test chamber with 2kg talc per cubic meter to start the test. During the test, the sample was kept in a vacuum state, the maximum pressure difference was 2kPa, and the pumping speed was lower than 40 times the shell volume per hour, and the test was carried out for 8 hours.

1.6 Judge Criteria: The test probe should not pass through any opening, and no dust should be allowed inside the sample after testing.

1.7 Test Result(s):

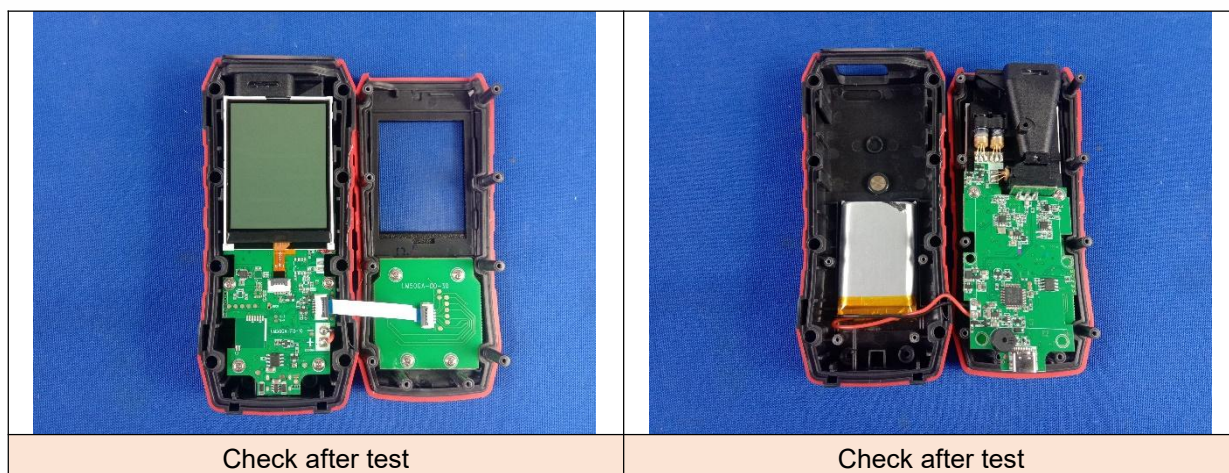
Sample No.	Test Result	Test Conclusion
E2401020161-01	The probe did not pass through any opening and no dust was introduced into the sample.	Pass

1.8 Test Photo(s)



	
Before test	Testing
	
Testing	Testing
	
Testing	Testing

	
Before test	After test
	
Check after test	Check after test
	
Check after test	Check after test



Check after test

Check after test



2. Test Item: IPX5

2.1 Sample No.: E2401020161-01

2.2 Test Equipment(s):

Name	Model	Serial No.	Valid Date to
IPX1-IPX7 waterproof rating test device	GT1310B	E-R-033	2024.03.07

2.3 Laboratory Conditions: Temperature: 21.1℃; Humidity: 59.2%RH

2.4 Test Standard: IEC 60529:1989/AMD2:2013/COR1:2019

2.5 Test Conditions:

Nozzle inner diameter:	6.3mm
Water flow:	12.5L/min
Distance from nozzle to enclosure surface:	between 2.5m and 3m
Test duration:	3 min

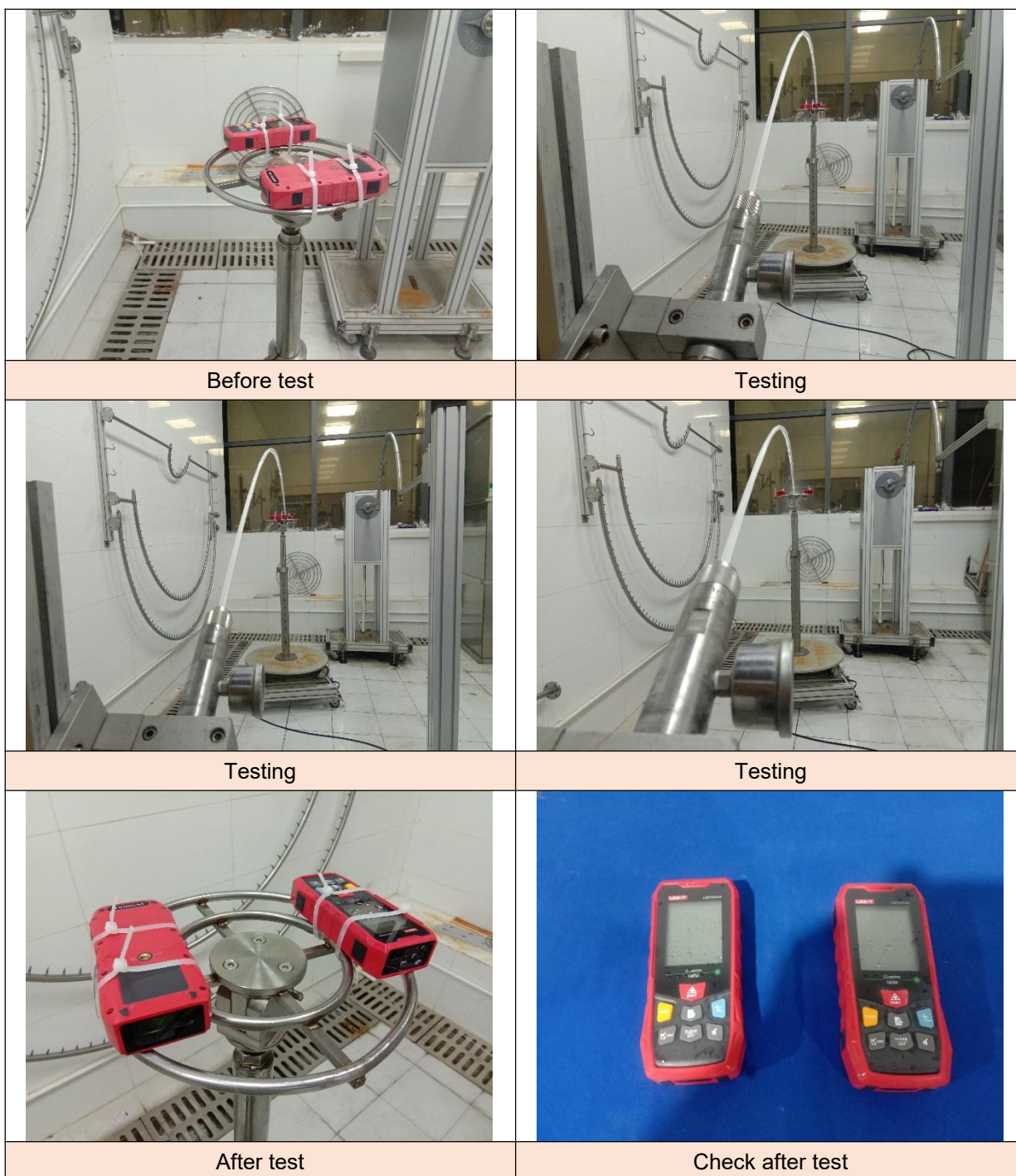
2.6 Judge Criteria: After the test, a small amount of water is allowed to enter inside the sample, but does not accumulate and does not enter the live parts.


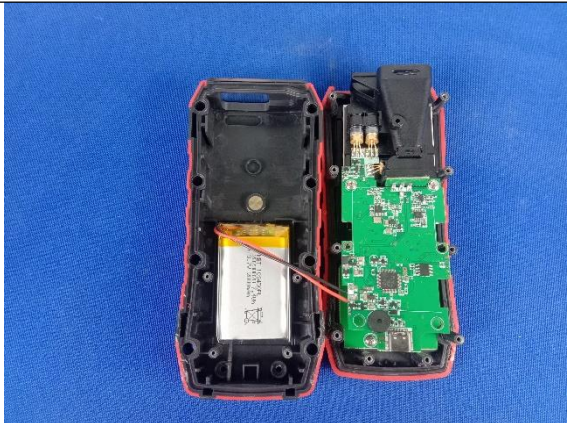



2.7 Test Result(s):

Sample No.	Test Result	Test Conclusion
E2401020161-01	After the test, no water entered inside the sample.	Pass

2.8 Test Photo(s)





	
Check after test	Check after test
	
Check after test	Check after test
	/
Check after test	/

*** End of Report ***

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