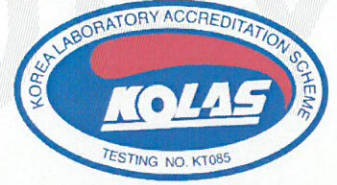




시험 성적서 (TEST REPORT)

성적서 번호(Report No): OT-238-RRK-018

페이지(Page of): (1) / (총 12)



1. 의뢰자 (Client)

- 기관명 (Name) : Xperix Inc.
○ 주소 (Address) : #1207, 37, Sagimakgol-ro 62beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
○ 접수번호 (Reception No.) : 2307002420

2. 시험대상품목 (Product)

- 기기명 (Description) : Fingerprint scanner
○ 모델명 (Model Name) : RealScan S60, RS-S60
○ 제조번호 (Serial No.) : N/A

3. 의뢰일자 (Date of Receipt) : 2021. 10. 12

4. 시험기간 (Date of Test) : 2021. 10. 14 ~ 10. 15

5. 시험장소 (Location of Test) : ☒ 고정시험실(Permanent Testing Lab) ☐ 현장시험 (On Site Testing)
[주소(Address) : 24, Giheungdanji-ro 141beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea]

6. 시험방법 (Test Method Used) : KS C IEC 60529:2013 / IP65

7. 시험결과 (Test Results) : Refer to attached test report (PASS)

이 성적서는 의뢰자가 제시한 시료 및 시료명에만 한정됩니다.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

* 표시된 시험결과는 시험기관의 인정범위 밖의 것임을 밝힙니다.

This laboratory is not accredited for the test results marked. *

◇ 표시된 시험결과는 위탁 시험기관의 결과 임을 밝힙니다.

The subcontract laboratory test results mark ◇.

확 인 (Affirmation)	시험자 (Tested by)	승인자(Approved by) / 기술책임자(Technical Manager)
	성 명 (Name) : Sang Hoon Kim 서 명 (Signature) :	성 명 (Name) : Jin Won Seo 서 명 (Signature) :
<p>위 성적서는 국제시험기관인정협력체(International Laboratory Accreditation Cooperation) 상호인정협정(Mutual Recognition Arrangement)에 서명한 한국인정기구(KOLAS)로부터 공인 받은 분야에 대한 시험결과입니다. The above testing certificate is the accredited test result by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.</p> <p style="text-align: right;">2023. 08. 24 한국인정기구 인정 (주)원택 대표이사 Accredited by KOLAS, Republic of KOREA (The president of ONETECH Corp.)</p> <p style="text-align: center;">경기도 광주시 초월읍 진새골길 43-14 (TEL:031-799-9500 FAX:031-799-9599) ONETECH Corp. 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do 12735 Korea (TEL:+82-31-799-9500 FAX:+82-31-799-9599)</p>		

< Revisions History >

Rev. No.	Issue Report No.	Issue Date	Revisions	Section Affected
0	OT-210-RRK-022	2021. 10. 29	Initial Release	All
1	OT-238-RRK-018	2023. 08. 24	1. CLIENT AND MANUFACTURER INFORMATION - Before: Suprema ID Inc. - After: Xperix Inc. 2. Change drawing	1 Page, 4 Page, 12 Page

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1. TESTING LABORATORY INFORMATION

- Testing Location : ONETECH Giheung Laboratory
 - Address : 24, Giheungdanji-ro 141beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea

2. CLIENT AND MANUFACTURER INFORMATION

- Client : Xperix Inc.
 - Address : #1207, 37, Sagimakgol-ro 62beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
 - Manufacturer : Xperix Inc.
 - Address : #1207, 37, Sagimakgol-ro 62beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

3. TEST SUMMARY

Standards	Test Items	Results	Test Date
KS C IEC 60529:2013	Test for protection against access to hazardous parts (IP6X)	Refer to 5.4	2021. 10. 15
	Test for protection against solid foreign objects (IP6X)	Refer to 6.4	2021. 10. 15
	Test for protection against water (IPX5)	Refer to 7.4	2021. 10. 14

Please contact us [(TEL : +82-31-799-9500 (Ext.0))] for verification of this test report.

4. EUT (Equipment Under Test)

4.1 Identification of EUT

- Equipment : Fingerprint scanner
 - Type/model : RealScan S60, RS-S60
 - Sample quantity : 2 EA

5. Test for protection against access to hazardous parts (IP6X)

Date: 2021. 10. 15

5.1 Environmental condition

Ambient temperature $(25 \pm 2) ^\circ\text{C}$
 Relative humidity $(55 \pm 3) \% \text{ R.H.}$
 Atmospheric Pressure 1 010 hPa

5.2 Test equipment used

Model Number	Manufacturer	Description	Serial Number	The due date of next Calibration
BPT-02	DAEKYUNG	1.0 mm Test Probe	194375	2022. 05. 10
DS2-1000N	OPTECH	FORCE MEASUREMENT	303410	2022. 04. 06

5.3 Test method

Items	Descriptions
1 st Characteristic Numbers	6
Test Condition	- Access probes : Test wire 1.0 mm diameter, 100 mm long - Test force : $1 \text{ N} \pm 10 \%$

5.4 Test result

EUT No.	Result
1	No pass of probe were found at any point within the enclosure

6. Test for protection against solid foreign objects (IP6X)

Date: 2021. 10. 15

6.1 Environmental condition

Ambient temperature (25 ± 2) °C
 Relative humidity (55 ± 3) % R.H.
 Atmospheric Pressure 1 010 hPa

6.2 Test equipment used

Model Number	Manufacturer	Description	Serial Number	The due date of next Calibration
SOC-300DSEM	SCM	DUST CHAMBER	SOC-11-43-10DSEM	N/A
RMA-13-SSV(T02AD)	Dwyer	GAS FLOWMETERS VARIABLE AREA	20180308	2022. 09. 01
KX9N-SENA	HANYOUNG NUX	TEMPERATURE CONTROLLER	826282	2022. 09. 01
KP-21N	SENSORTEC	PRESSURE TRANSMITTER	1107047	2022. 09. 02

6.3 Test method

Items		Descriptions
1st Characteristic Numbers		6
Enclosures Category		<input checked="" type="checkbox"/> Category 1 <input type="checkbox"/> Category 2 <input type="checkbox"/> Category 1 and Category 2
Test Condition		-Wire diameter: 50 μm -Width between wires: 75 μm -Amount of talcum powder of the test chamber: 2 kg/m ³
Method	Category 1	<input type="checkbox"/> If an extraction rate of 40 to 60 volumes per hour is obtained the duration of the test is 2 h. <input checked="" type="checkbox"/> If, with a maximum depression of 2 kPa(20 mbar), the extraction rate is less than 40 volumes per hour, the test is continued until 80 volumes have been drawn, or a period of 8 h has elapsed.
	Category 2	<input type="checkbox"/> The enclosure under test is supported in its normal operating position inside the test chamber, but is not connected to a vacuum pump. Any drain-hole normally open shall be left open for the duration of the test. The test shall be continued for a period of 8 h.

6.4 Test result

EUT No.	Result
1	No traces of dust deposits were found at any point within the enclosure

7. Test for protection against water (IPX5)

Date: 2021. 10. 14

7.1 Environmental condition

Ambient temperature	(24 ± 2) °C
Relative humidity	(60 ± 3) % R.H.
Atmospheric Pressure	1 007 hPa

7.2 Test equipment used

Model Number	Manufacturer	Description	Serial Number	The due date of next Calibration
GA-101	KOMETER	Flow Meter(15 l/min) - IPX	G-2808141-1	2022. 09. 01
N/A	DAEKYUNG	Jet Nozzle Set(6.3 mm)-IPX	N/A	N/A
HS-3	CASIO	STOP WATCH	202822	2023. 05. 07

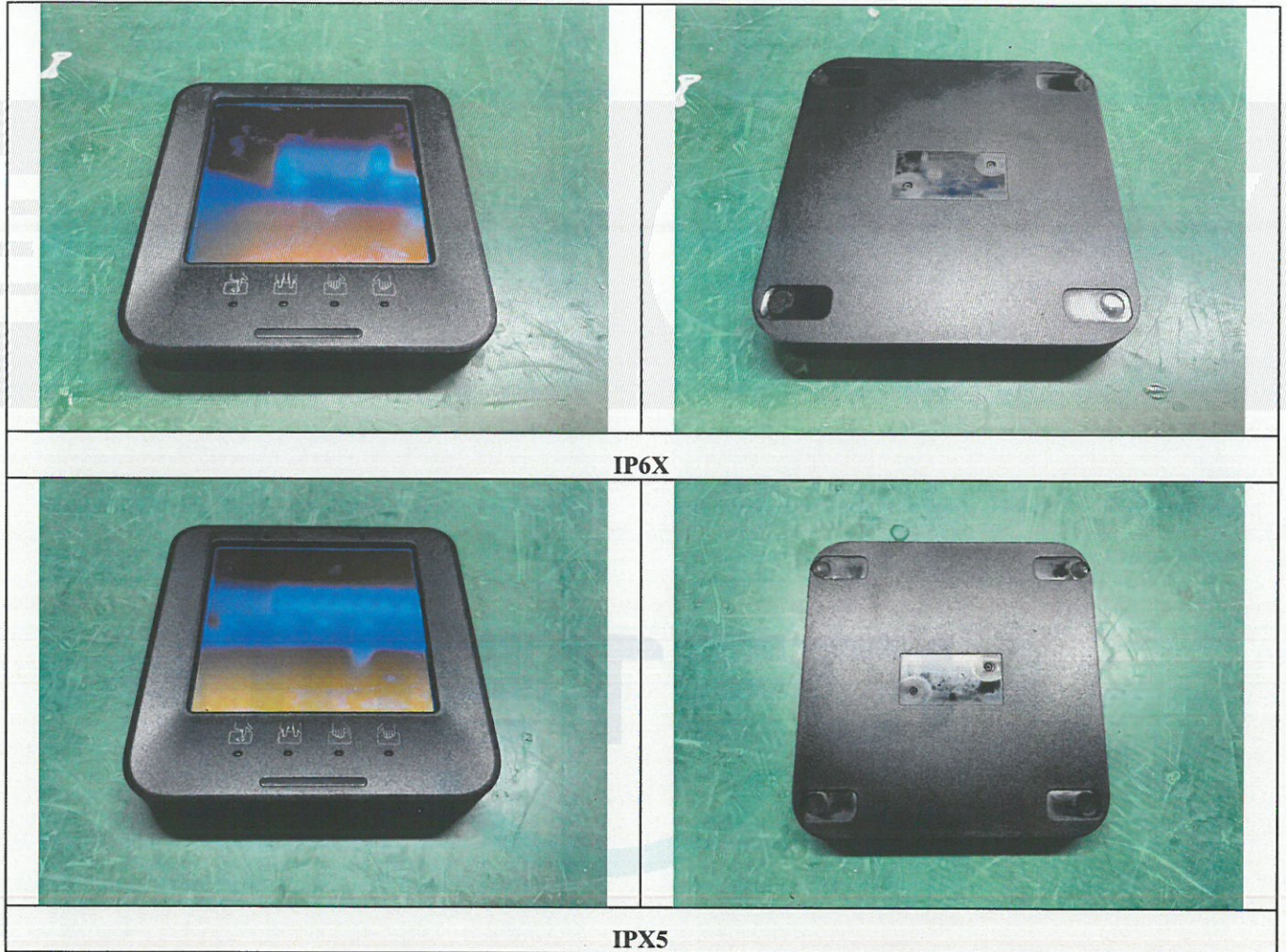
7.3 Test method

Items	Descriptions
2nd Characteristic Numbers	5
Test Condition	-Internal diameter of the nozzle: 6.3 mm -Delivery rate: 12.5 L/min ± 5 % -Distance nozzle to enclosure surface: Between 2.5 m ~ 3 m -Test duration per square metre of enclosure surface area likely to be sprayed: 1 min -The duration of the test: 3 min

7.4 Test result

EUT No.	Result
2	No Water deposits were found at any point within the enclosure

APPENDIX I- PHOTO OF EUT



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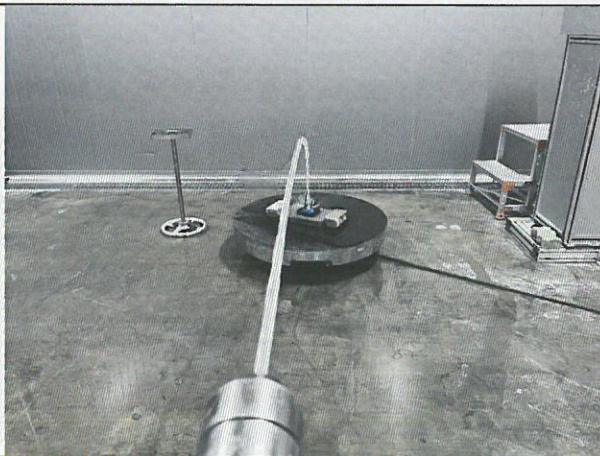
APPENDIX II- PHOTO OF TEST



IP6X



IP6X

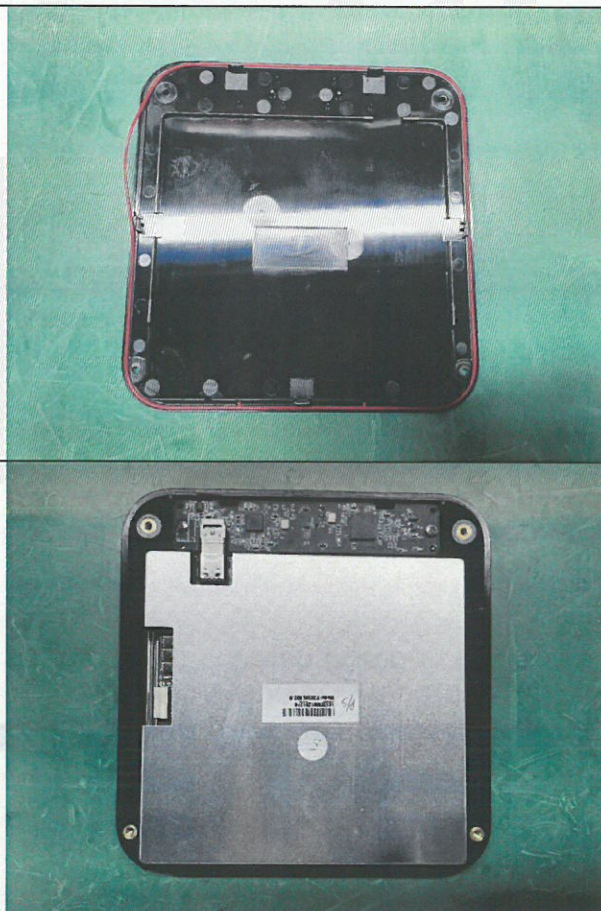


IPX5

APPENDIX III- PHOTO OF INSIDE AFTER TEST

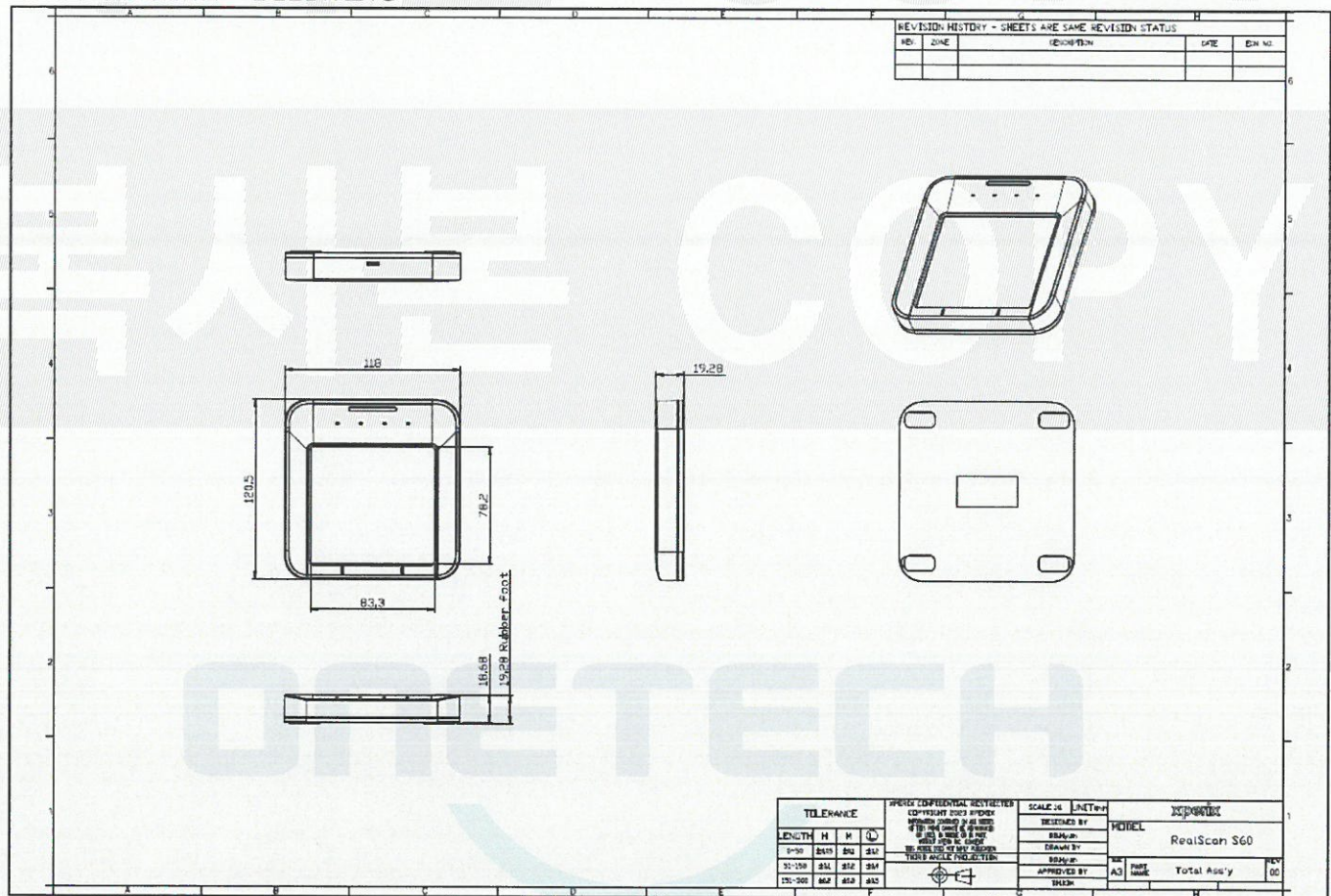


IP6X



IPX5

APPENDIX IV- DRAWING



- End -