Report No.: XMDN211026-55057E-SF

IEC 62262: 2002

Measurement and Test Report

For

AKUVOX (XIAMEN) NETWORKS CO., LTD.

10/F, No.56, Software Park II , Xiamen, China

Model: A02S

This Report Concerns:	**Equipment Type:**
☒ Original Report	Access Control Terminal

IK CODE :	IK07
Compiled by:	Gemini Liu
Test Date:	2021-10-30
Report Date:	2021-11-01
Reviewed By:	Andrew Luo
Testing location:	No.12, Pulong East 1st Road, Tangxia Town, Dongguan

Prepared By:

Bay Area Compliance Laboratories Corp. (Dongguan)

No.12, Pulong East 1st Road, Tangxia Town,

Dongguan,Guangdong,China.

Tel: +86-0769-86858888

Fax:+86-0769-86858588

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1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

AKUVOX (XIAMEN) NETWORKS CO., LTD's product, "EUT" as referred to in this report is Access Control Terminal and the model is A02S.

The test sample was in good condition and received: 2021-10-29.

The sample No. is XMDN211026-55057E-SF-S01.

1.2 Objective

The following Declaration of Conformity of a device is prepared on behalf of Power on Tools Co., Ltd, is accordance with IEC 62262: 2002 .

1.3 Test Methodology

All measurements contained in this report are conducted with IEC 62262: 2002.

Hammer test contained in this report are conducted with IEC 60068-2-75: 1997.

All measurements are performed at Bay Area Compliance Laboratories Corp. (Dongguan).

1.4 Test Equipment List

Test Equipment	Model	Equipment No	Cal. Date	Due Date
Spring Impact Hammer	N/A	T-08-SF0324	2021-01-18	2022-01-17

1.5 Equipment Under Test (EUT)

Manufacturer	Description	Model	Brand
AKUVOX (XIAMEN) NETWORKS CO., LTD.	Access Control Terminal	A02S	Akuvox
Manufacturer address	10/F, No.56, Software Park II , Xiamen, China		

2. Impact test

2.1 Test Method

IK code and impact energy

Table 1 — Relation between IK code and impact energy

IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Impact energy Joule	[a]	0,14	0,2	0,35	0,5	0,7	1	2	5	10	20
[a] not protected according to this standard											

Spring impact hammer

The impact energy which the hammer can provide is 0.2J, 0.35J, 0.5J, 0.7J, 1J, 2J, 5J, 10J. And the structure of the hammer is conformed to the demands of IEC 60068-2-75: 1997. Use an adjusted energy value to strike the selected area on the specimen surface in the direction which perpendicular to the test area, the specimen surface held in a horizontal and rigid surface. A support is considered to be sufficiently rigid if its displacement is less than or equal to 0.1mm under the effect of an impact directly applied and whose energy corresponds to the degree of protection.

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2.2 Test Procedure

1. Check the function and appearance before test.
2. Set the EUT on the test surface.
3. Adjust the impact energy of the spring impact hammer to 2J.
4. Apply the impact to every test position 3 times, in the direction which perpendicular to the test area.
5. Test is completed.

2.3 Initial Test

Part the test areas into 11 positions, and check the appearance and function.

Identification No.	Position	Appearance
XMDN211026-55057E-SF-S01	Position 1~Position 11	Normal

Note: The detail position diagrammatic drawings please refer to Clause 3.1 Position diagrammatic drawing.

2.4 Test Results

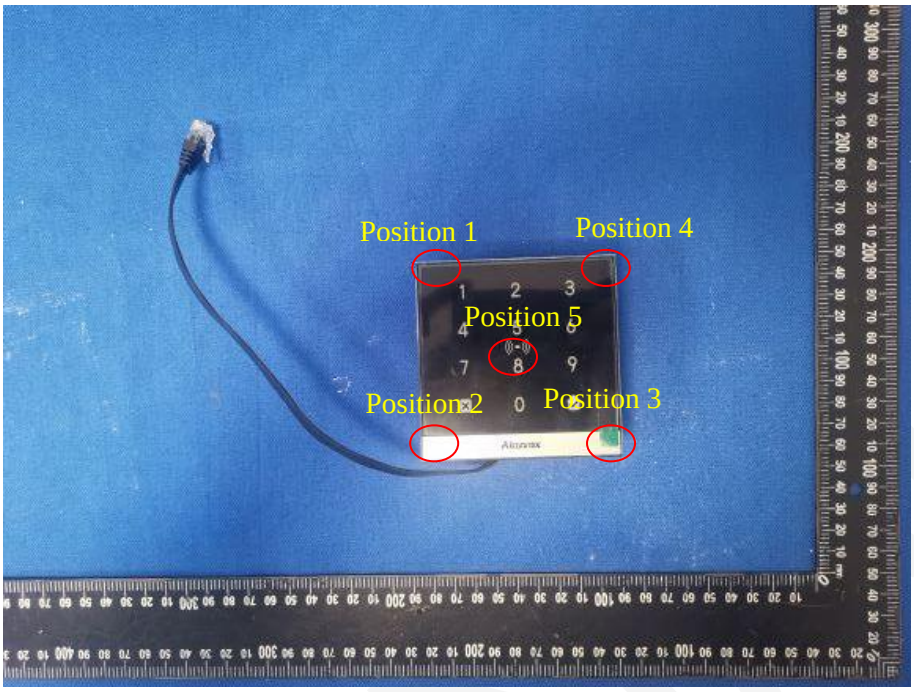
XMDN211026-55057E-SF-S01		0.20J (IK02)	0.35J (IK03)	0.5J (IK04)	0.7J (IK05)	1J (IK06)	2J (IK07)	5J (IK08)
Appearance	Position 1~ Position 11	P	P	P	P	P	P	F

Note: F: Fail; P: Pass

Result: The IK08 failed, and the IK code of the sample the last pass is level-IK07.

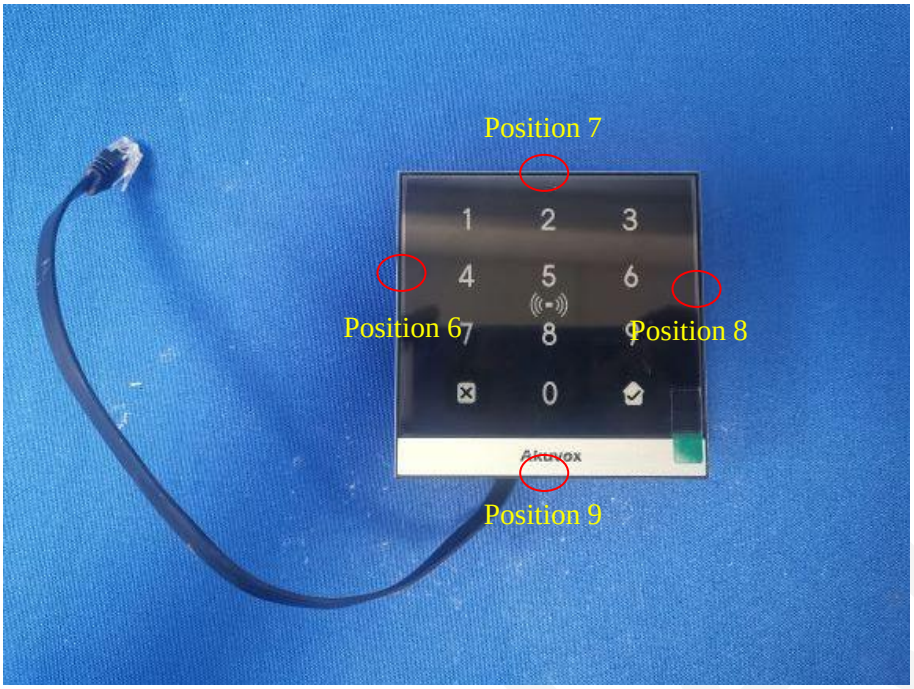
3. PHOTOGRAPHS

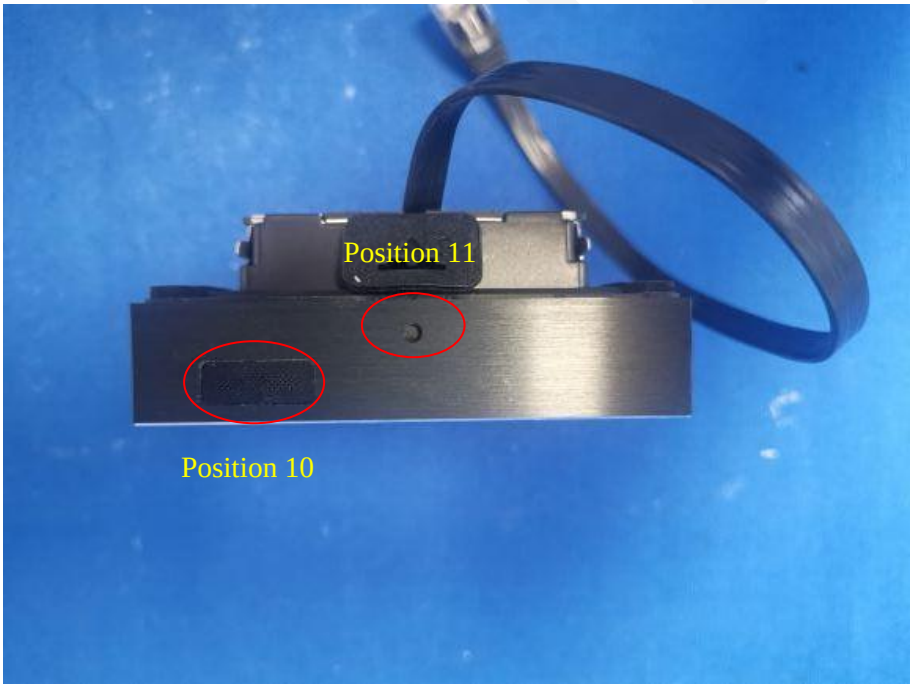
3.1 Position diagrammatic drawing: Position1 to Position11 (XMDN211026-55057E-SF-S01)





(XMDN211026-55057E-SF-S01)



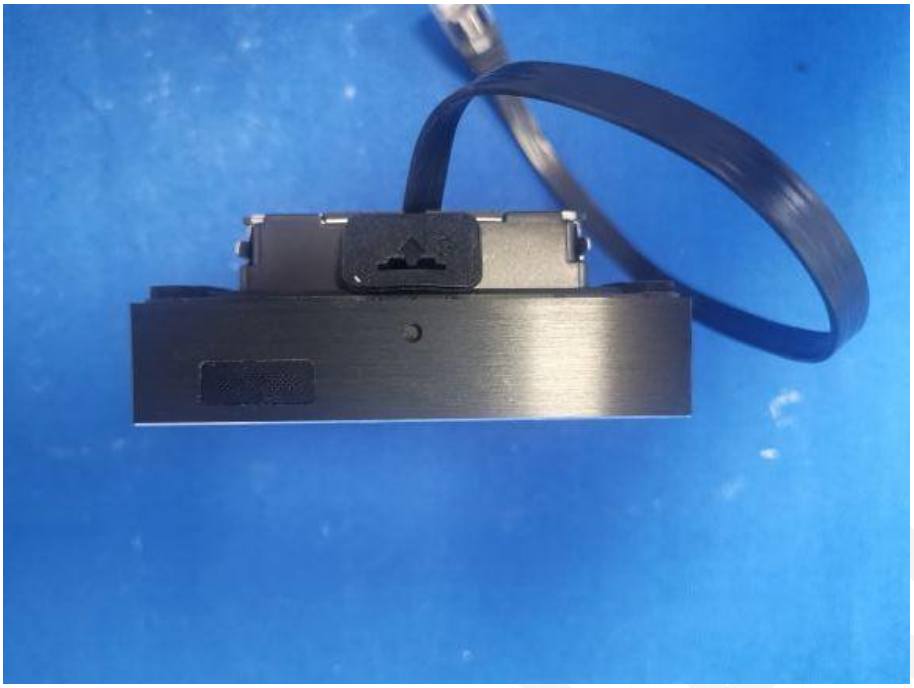


3.2 Appearance check after test
(XMDN211026-55057E-SF-S01)





(XMDN211026-55057E-SF-S01)



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Directions

1. The information marked # is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
2. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
3. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.
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********End of report ********

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