



中国认可
国际互认
检测
TESTING
CNAS L14228

Ref.No	ACSH202511024-E08
Total pages	9

Test Report

Sample Name: Waterproof Scissor Switch Keyboard

Sample Model: K-TEK-V285-FN-BL-FC-SC
-NV-151B-DWP+TP65-DML+2K

Test Category: Commission Test

Manufacturer: Key Technology China Limited

Client: Key Technology China Limited



Shenzhen Ancheshenghui Test Technology Co., Ltd.

Test Report

Client Information

Name: Key Technology China Limited

Address: Floor 7, Building S8, Fenggang Tianan Cyber Park, No. 208 Fenggang Section, Dongshen Road, Fenggang Town, DongGuan City, Guang Dong Province, P. R. China.

Samples

Trade Mark:



Sample name: Waterproof Scissor Switch Keyboard

Sample model: K-TEK-V285-FN-BL-FC-SC-NV-151B-DWP+TP65-DML+2K

Sample number: ACSH202511024-S01~S03

Sample quantity: 3 pcs

Manufacturer: Key Technology China Limited

Sample receipt date: November 24, 2025

Source: Client

Description: The appearance of the sample is in good condition.

Test Location and Environment

Test location: Shenzhen Ancheshenghui Test Technology Co., Ltd.

Temperature: 22°C to 28°C

Relative humidity: 35% to 75%

Air pressure: 100kPa to 102kPa

Test Standard

- 1) GJB 150.8A-2009 Laboratory environmental test method for military materiel-Part 8: Rain test;
- 2) <JT-WI-YF-0520 K-TEK-V285-FN-BL-FC-SC-NV-151B-DWP+TP65-DML+2K Detailed Specification>.

Test Results

The samples are Waterproof Scissor Switch Keyboard (K-TEK-V285-FN-BL-FC-SC-NV-NV-151B-DWP+TP65-DML+2K) by Key Technology China Limited. According to the requirements of the client, the Rain test from December 16, 2025.

After the test, the samples met the technical requirements provided by the client and passed the test.

For specific test details, see "Summary of Test Results" in this report.

Prepared by: Xc Ou

Reviewed by: JHe

Approved by: JHe

Release Date: January 14, 2026

Summary of Test Results

No.	Test Items	Test Date	Test Location	Result
1	Rain test	December 16, 2025	Mechanics Laboratory	Pass

Detailed Description of The Test Sample

No.	Name	Model	Quantity	SN	Test Number
1	Waterproof Scissor Switch Keyboard	K-TEK-V285-FN-BL-FC-SC-NV-151B-DW P+TP65-DML +2K	3 pcs	V285-FN-BL-FC-SC-NV-151B-DW P+TP65-DML+2K -20251011000001	ACSH202511024-S01
2				V285-FN-BL-FC-SC-NV-151B-DW P+TP65-DML+2K -20251011000002	ACSH202511024-S02
3				V285-FN-BL-FC-SC-NV-151B-DW P+TP65-DML+2K -20251011000003	ACSH202511024-S03

Test Details

1. Rain test

1.1 Tested Sample

No.	Name	Model	Quantity	SN	Test Number
1	Waterproof Scissor Switch Keyboard	K-TEK-V285-FN-BL-FC-SC-NV-151B-DW P+TP65-DML+2K	3 pcs	V285-FN-BL-FC-SC-NV-151B-DW P+TP65-DML+2K -20251011000001	ACSH202511024-S01
2				V285-FN-BL-FC-SC-NV-151B-DW P+TP65-DML+2K -20251011000002	ACSH202511024-S02
3				V285-FN-BL-FC-SC-NV-151B-DW P+TP65-DML+2K -20251011000003	ACSH202511024-S03

1.2 Test Equipment and Instruments

No.	Name	Model	Number	Validity Period of Calibration	Remark
1	Military Standard Blowing Rain Test Chamber	GK-JBLY5000	ACSH-A-099	October 9, 2026	/

1.3 Test Standard

- 1) GJB 150.8A-2009 Laboratory environmental test method for military materiel-Part 8: Rain test;
- 2) <JT-WI-YF-0520 K-TEK-V285-FN-BL-FC-SC-NV-151B-DWP+TP65-DML+2K Detailed Specification>.

1.4 Test Time

December 16, 2025

1.5 Test Conditions

The test is conducted as required by the client. The test method is as follows:

a) Pre-test examination: Under standard atmospheric conditions, check the appearance and function of the samples.

b) Test method:

- 1) Test procedure: Procedure I - Rain and Blowing Rain;
- 2) Raindrop diameter: 0.5 mm~4.5 mm;
- 3) Sample temperature: $10\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ above water temperature;
- 4) Rainfall intensity: 1.7 mm/min (100 mm/h);
- 5) Test wind speed: 18 m/s;
- 6) Test direction: Front face;
- 7) Test time: 3 h;
- 8) Sample status during testing: During the test, the samples are powered on and operating;

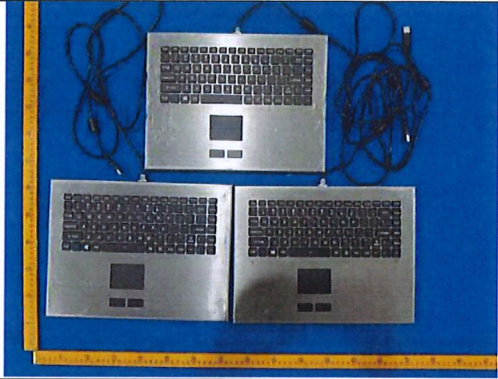
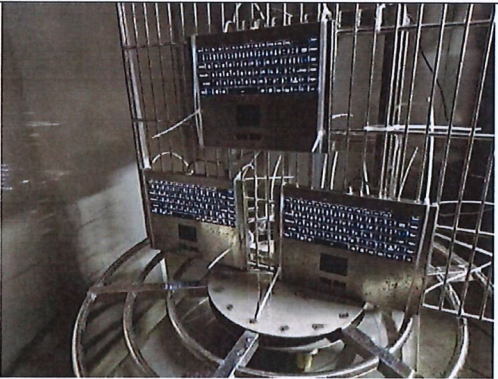
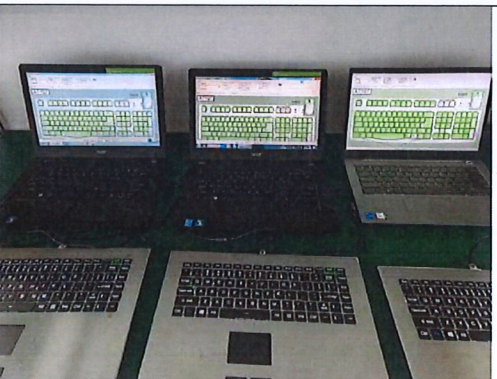
c) Post-test examination: Under standard atmospheric conditions, check the appearance and function of the samples.

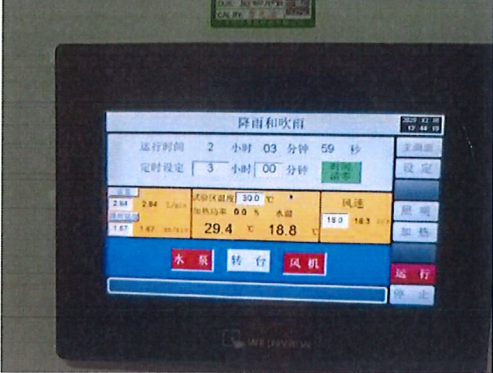
1.6 Test Criterion

No.	Items	Test Requirements
1	Appearance quality	Surface integrity
2		The surface should be free of scratches and damage.
3		Surface effect
4		The surface of the product should be free of obvious scratches, stains, dirt, spots and other defects.
5		Integral flatness
6		The product as a whole should be flat and straight, no uneven, concave, collapse, local deformation and other defects.
7	Functional requirements	Seal
8		The gluing part should have no cracking and no loose.
9		Character backlight uniform
10		The front of the key character should be uniform in color and light transmission.
11		Key surface screen printing intact
12		Key screen printing should be correct, clear, no leakage, no burr, etc.
7	Functional requirements	Actual connection
8		After the computer is connected to the keyboard, there should be no crashes, serious delays, etc.
9		Key code correspondence
10		Key code should correspond one by one, press A to output A.
11		Output correspondence
12		After pressing the key, there should be no defects such as missing key values, repeat key values, or non-responsive keys.
7	Functional requirements	Key sensitive
8		The keys are sensitive and responsive when pressed.
9		Indicator light controllable
10		The lighting and extinguishing of the LED should be controlled and the brightness is stable.
11		Uniform air pressure
12		Internal gas can be discharged normally, with no visible bulging on the appearance.

13		Backlight controllable	The backlight can be controlled to turn on and off, and the brightness can be adjusted.
14		Key rebound intact	After pressing the four edges, four corners, and center of the key, it should spring back normally without sticking or non-responsive keys.

1.7 Detecting photos and curves

	
Fig. 1 Samples Appearance (Before Test)	Fig. 2 Samples Appearance (After Test)
	
Fig. 3 Samples Appearance (After Test)	Fig. 4 Samples Operating Status
	
Fig. 5 Samples Placement	Fig. 6 Function Test Normal (After Test)

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Fig. 7 Control Panel	/

1.8 Test Result

No.	Items	Test Requirements	Before Test	After Test
1	Appearance quality	Surface integrity	Pass	Pass
2		Surface effect	Pass	Pass
3		Integral flatness	Pass	Pass
4		Seal	Pass	Pass
5		Character backlight uniform	Pass	Pass
6		Key surface screen printing intact	Pass	Pass
7	Functional requirements	Actual connection	Pass	Pass
8		Key code correspondence	Pass	Pass
9		Output correspondence	Pass	Pass
10		Key sensitive	Pass	Pass
11		Indicator light controllable	Pass	Pass

			the brightness is stable.		
12		Uniform air pressure	Internal gas can be discharged normally, with no visible bulging on the appearance.	Pass	Pass
13		Backlight controllable	The backlight can be controlled to turn on and off, and the brightness can be adjusted.	Pass	Pass
14		Key rebound intact	After pressing the four edges, four corners, and center of the key, it should spring back normally without sticking or non-responsive keys.	Pass	Pass

(End)

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1. The report is invalid without the special seal for testing.
2. The report is invalid without the signature or seal of the preparer, reviewer, or approver.
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6. The Chinese and English reports issued by the company's laboratory are equally authentic. In case of any discrepancy in understanding, the Chinese version shall prevail.
7. The paper version report and electronic version report issued by the company's laboratory are equally authentic. In case of any discrepancy between the two, the paper version report shall prevail.
8. The samples and sample information in this report must be provided and confirmed by the applicant, and the test data and results are only applicable to the tested samples.

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