



中国认可
国际互认
检测
TESTING
CNAS L14228

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Total pages	10

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 150.4A-2009 Laboratory environmental test methods for military materiel-Part4: Low temperature 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 Low Temperature test from December 9, 2025 to December 11, 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	Low Temperature test	December 9, 2025 to December 11, 2025	Environmental 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. Low Temperature 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	Temperature and Humidity Chamber	HSL-10KA	ACSH-A-003	October 9, 2026	/

1.3 Test Standard

- 1) GJB 150.4A-2009 Laboratory environmental test methods for military materiel-Part4: Low temperature 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 9, 2025 to December 11, 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) Storage temperature: -50 °C;
 - 2) Storage time: 24 h;
 - 3) Operating temperature: -40 °C;
 - 4) Operating time: 4 h;
 - 5) Sample status during testing: The samples are non-operating during storage; the samples are powered on and operating during operation;

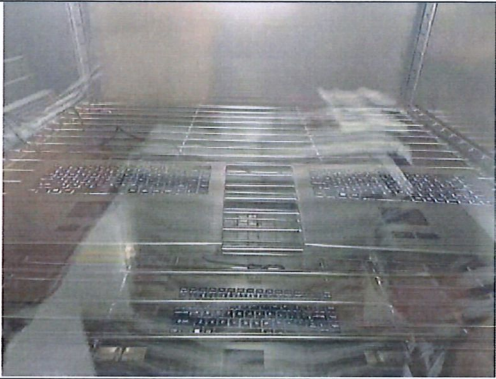
6) Functional testing performed during test: Yes;

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		Surface effect
3		Integral flatness
4		Seal
5		Character backlight uniform
6		Key surface screen printing intact
7	Functional requirements	Actual connection
8		Key code correspondence
9		Output correspondence
10		Key sensitive
11		Indicator light controllable
12		Uniform air pressure
13		Backlight controllable
14		Key rebound intact

1.7 Detecting photos and curves

	
Fig. 1 Samples Appearance (Before Test)	Fig. 2 Samples Appearance (After Test)
	
Fig. 3 Samples Placement for Storage and Operation	Fig. 4 Samples Operating Status
	
Fig. 5 Function Test Normal (After Storage Test)	Fig. 6 Function Test Normal (During Operating Test)
	/
Fig. 7 Function Test Normal (After Test)	/

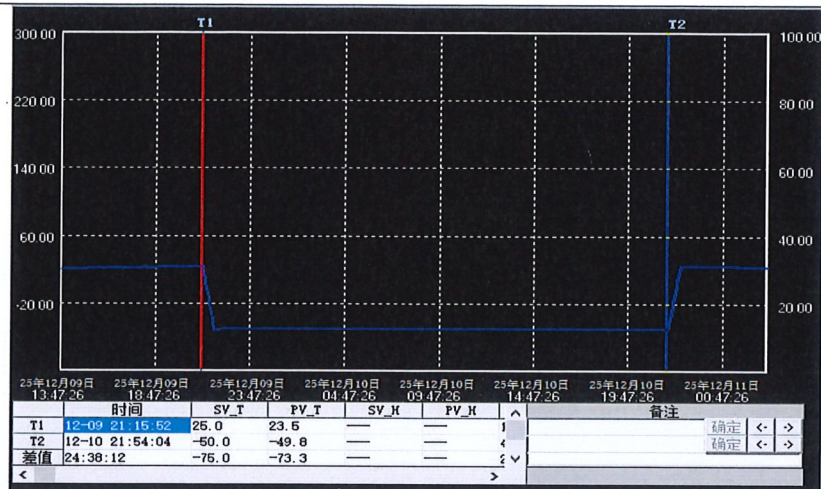


Fig. 8 Storage Test Curves

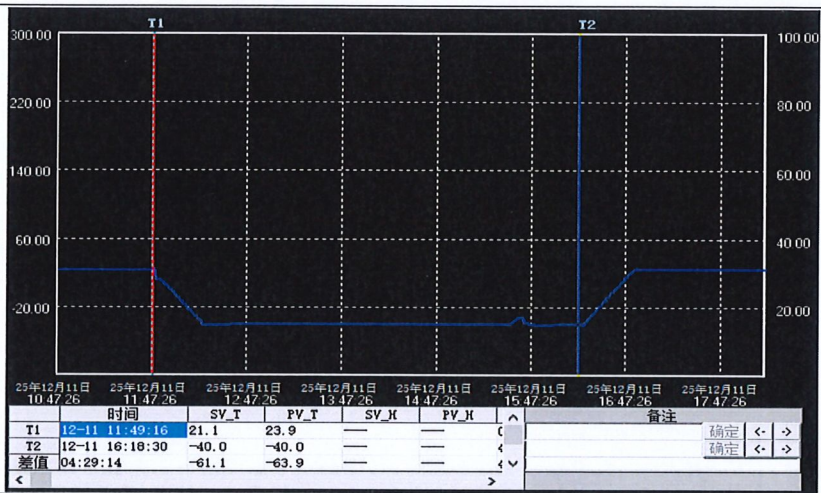


Fig. 9 Operating Test Curves

1.8 Test Result

1.8.1 Low temperature Storage Test Result

No.	Items		Test Requirements	Before Test	After Test
1	Appearance quality	Surface integrity	The surface should be free of scratches and damage.	Pass	Pass
2		Surface effect	The surface of the product should be free of obvious scratches, stains, dirt, spots and other defects.	Pass	Pass
3		Integral flatness	The product as a whole should be flat and straight, no uneven, concave, collapse, local deformation and other defects.	Pass	Pass
4		Seal	The gluing part should have no cracking and no loose.	Pass	Pass
5		Character	The front of the key character	Pass	Pass

		backlight uniform	should be uniform in color and light transmission.		
6		Key surface screen printing intact	Key screen printing should be correct, clear, no leakage, no burr, etc.	Pass	Pass
7	Functional requirements	Actual connection	After the computer is connected to the keyboard, there should be no crashes, serious delays, etc.	Pass	Pass
8		Key code correspondence	Key code should correspond one by one, press A to output A.	Pass	Pass
9		Output correspondence	After pressing the key, there should be no defects such as missing key values, repeat key values, or non-responsive keys.	Pass	Pass
10		Key sensitive	The keys are sensitive and responsive when pressed.	Pass	Pass
11		Indicator light controllable	The lighting and extinguishing of the LED should be controlled and the brightness is stable.	Pass	Pass
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

1.8.2 Low Temperature Operating Test Result

10.2 Low Temperature Operating Test Result						
No.	Items		Test Requirements	Before Test	During Testing	After Test
1	Appearance quality	Surface integrity	The surface should be free of scratches and damage.	Pass	/	Pass
2		Surface effect	The surface of the product should be free of obvious scratches, stains, dirt, spots and other defects.	Pass	/	Pass
3		Integral flatness	The product as a whole should be flat and straight, no uneven, concave, collapse, local deformation and other defects.	Pass	/	Pass

4		Seal	The gluing part should have no cracking and no loose.	Pass	/	Pass
5		Character backlight uniform	The front of the key character should be uniform in color and light transmission.	Pass	/	Pass
6		Key surface screen printing intact	Key screen printing should be correct, clear, no leakage, no burr, etc.	Pass	/	Pass
7	Functional requirements	Actual connection	After the computer is connected to the keyboard, there should be no crashes, serious delays, etc.	Pass	Pass	Pass
8		Key code correspondence	Key code should correspond one by one, press A to output A.	Pass	Pass	Pass
9		Output correspondence	After pressing the key, there should be no defects such as missing key values, repeat key values, or non-responsive keys.	Pass	Pass	Pass
10		Key sensitive	The keys are sensitive and responsive when pressed.	Pass	Pass	Pass
11		Indicator light controllable	The lighting and extinguishing of the LED should be controlled and the brightness is stable.	Pass	Pass	Pass
12		Uniform air pressure	Internal gas can be discharged normally, with no visible bulging on the appearance.	Pass	Pass	Pass
13		Backlight controllable	The backlight can be controlled to turn on and off, and the brightness can be adjusted.	Pass	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	Pass

(End)

ATTENTIONS

1. The report is invalid without the special seal for testing.
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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.

Name: Shenzhen Ancheshenghui Test Technology Co., Ltd.

Address: Room 101, Building A, No.5, Tianwan Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen, Guangdong, China

Postcode: 518107

Tel: 0755-29893646