



中国认可
国际互认
检测
TESTING
CNAS L14228

Ref.No	ACSH202511024-E07
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 150.16A-2009 Laboratory environmental test methods for military materiel-Part16: Vibration 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 Vibration test from December 15, 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	Vibration test	December 15, 2025	Vibration 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. Vibration 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	Electrodynamic Shaker System	ES-50-445	ACSH-A-018	April 27, 2026	/
2	Acceleration Sensor	DL312	ACSH-A-045	May 8, 2026	/
3	Electric Vibration Table	DC-3200-36/SV-1010	ACSH-A-072	April 27, 2026	/
4	Piezoelectric Acceleration Sensor	YMC2106C	ACSH-A-076	May 8, 2026	/

1.3 Test Standard

- 1) GJB 150.16A-2009 Laboratory environmental test methods for military materiel-Part16: Vibration 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 15, 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:

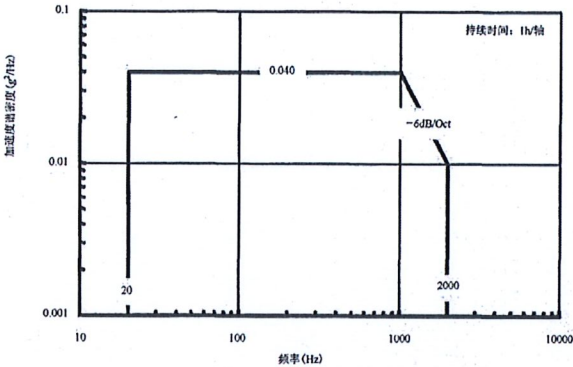


Figure 1 Vibration Spectrum

Table 1 Vibration Profile Breakpoints

Frequency (Hz)	PSD (g2/Hz)	Slope (dB/Oct)	GRMS (g)
20	0.04	0	7.69
100	0.04	0	
1000	0.04	-6	
2000	0.01	-6	

1) Test time: Three axes, lateral, longitudinal, and vertical. Vibration for 1 hour per axis, 3 hours total;

2) 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	The surface should be free of scratches and damage.
2		Surface effect	The surface of the product should be free of obvious scratches, stains, dirt, spots and other defects.
3		Integral flatness	The product as a whole should be flat and straight, no uneven, concave, collapse, local deformation and other defects.
4		Seal	The gluing part should have no cracking and no loose.
5		Character backlight uniform	The front of the key character 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.
7	Functional requirements	Actual connection	After the computer is connected to the keyboard, there should be no crashes, serious delays, etc.

8		Key code correspondence	Key code should correspond one by one, press A to output A.
9		Output correspondence	After pressing the key, there should be no defects such as missing key values, repeat key values, or non-responsive keys.
10		Key sensitive	The keys are sensitive and responsive when pressed.
11		Indicator light controllable	The lighting and extinguishing of the LED should be controlled and the brightness is stable.
12		Uniform air pressure	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)



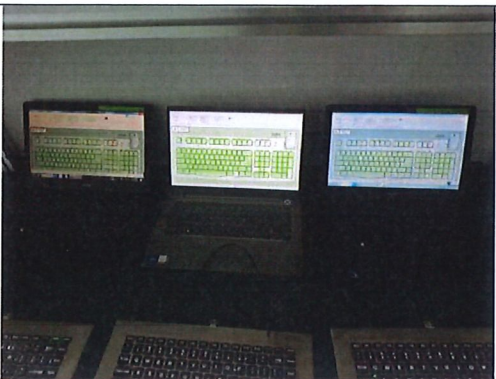
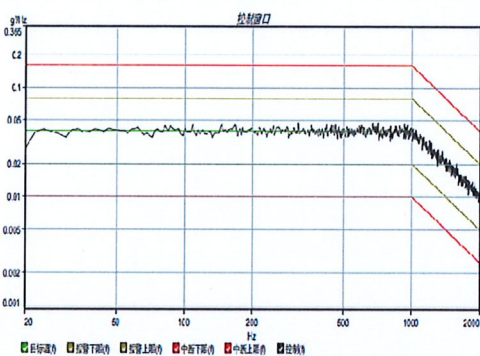
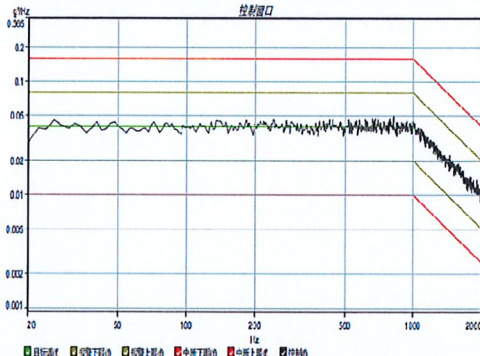
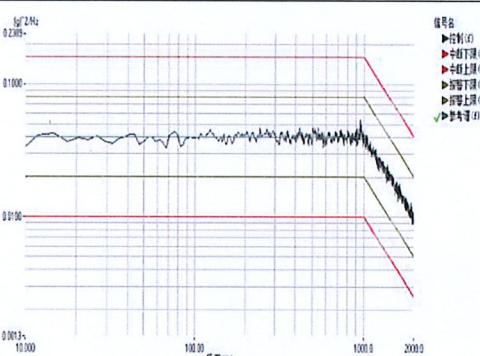
Fig. 2 Samples Appearance (After Test)



Fig. 3 Samples Placement (Lateral Axes)



Fig. 4 Samples Placement (Longitudinal Axes)

	
Fig. 5 Samples Placement (Vertical Axes)	Fig. 6 Function Test Normal (After Test)
	
Fig. 7 Test Curves (Lateral Axes)	Fig. 8 Test Curves (Longitudinal Axes)
	/
Fig. 9 Test Curves (Vertical Axes)	/

1.8 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 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
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

(End)

ATTENTIONS

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