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TESTING  
CNAS L14228

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|-------------|-------------------|
| Ref.No      | ACSH202511024-E04 |
| 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 150.2A-2009 Laboratory environmental test methods for military materiel-Part2: Low pressure (altitude) 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 Pressure test from December 14, 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 Du

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 Pressure test | December 14, 2025 | Environmental Laboratory | Pass   |

**Detailed Description of The Test Sample**

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

Test Details

1. Low Pressure 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   | High and Low Temperature, Humidity, and Low Pressure Test Chammerr | VW1070W | ACSH-A-008 | October 9, 2026                | /      |

1.3 Test Standard

- 1) GJB 150.2A-2009 Laboratory environmental test methods for military materiel-Part2: Low pressure (altitude) 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 14, 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 temperature: 25 °C;
  - 2) Storage pressure: 57 kPa (4570 m);
  - 3) Storage time: 1 h;
  - 4) Operatin pressure: 57 kPa (4570 m);
  - 5) Operating time: 1 h;

6) Pressure change rate  $\leq 10$  kPa/min, altitude change rate 10 m/s;

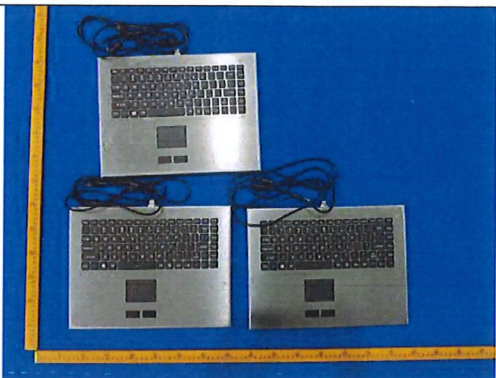
7) Sample status during testing: The samples shall first undergo the storage test, followed by the operating test. During the storage test, the samples are non-operating. During the operating test, the samples are powered on and operating;

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 for Storage and Operation                                  | Fig. 4 Samples Operating Status                                                      |
|  |  |
| Fig. 5 Function Test Normal (After Storage Test)                                    | Fig. 6 Function Test Normal (After Operating Test)                                   |

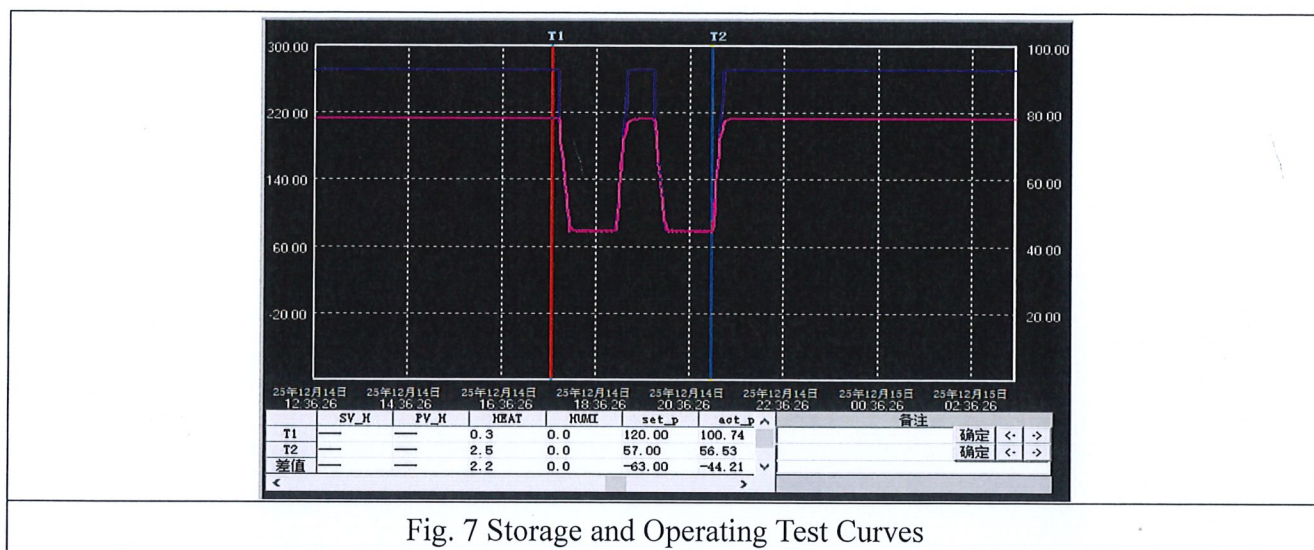


Fig. 7 Storage and Operating Test Curves

## 1.8 Test Result

## 1.8.1 Low Pressure 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 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 |

## 1.8.2 Low Pressure Operating 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        | 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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