

Test Report

Report No.....: SUER240600060872 **Release date.....:** 2024-08-06

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China

Product Description Range finder

Product Model No XT-S240Mini&Pro

S/N No -

Sample status.....: Normal

Sample receipt date.....: 2024-06-27

Date of Test 2024-06-27 to 2024-08-05

Test Standard See following pages

Conclusion See following pages

Remark /Note 1) The test results presented in this report relate only to the object tested.
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3) The test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc... and just for client internal reference.

Tested by:

Charlie Xia
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Approved by:

Frank Fang
Frank Fang

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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.

Summary of Results

No	Test Item	Test Standard	Conclusion	Sample number
1	Random Vibration Test	GB/T 28046.3-2011/ 4.1.2.4.2	Pass	A1, A2

Note: Pass: Meet the requirements;

Fail: Does not meet the requirements;

/: Not apply to the judgment.

Test site:

No.198 Kezhu Road, Sciencetech Park, Economic & Technical Development District, Guangzhou, China

Test Item: Random Vibration Test

Environmental requirement:

Ambient Temperature: (15~35) °C; Relative Humidity: (25~75) %RH; Atmos: (86~106) kPa.

Reference standard:

GB/T 28046.3-2011 Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 3: Mechanical loads Section 4.1.2.4.2

Test condition:

Frequency [Hz]	Power Spectral Density Level [(m/s ²) ² /Hz]
10	20
55	6.5
180	0.25
300	0.25
360	0.14
1000	0.14
Equivalent to 27.8(m/s ²) _{rms}	

Test Direction: X/Y/Z axis

Test Duration: 8h/axis, Total 24h

Test acceptance requirements:

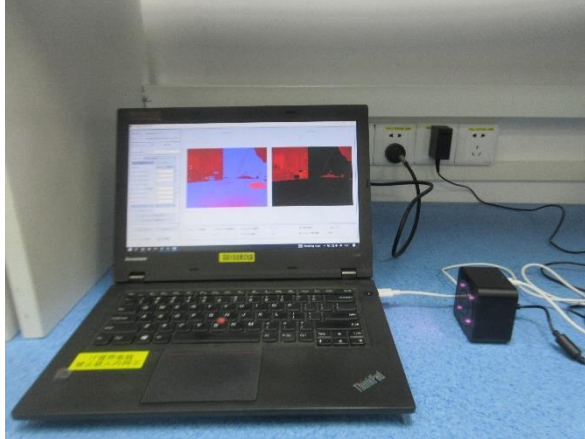
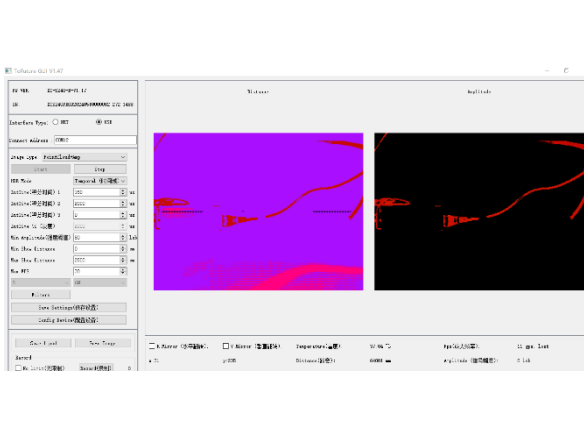
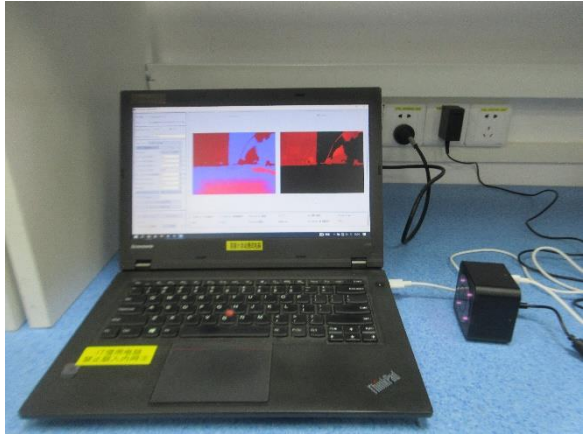
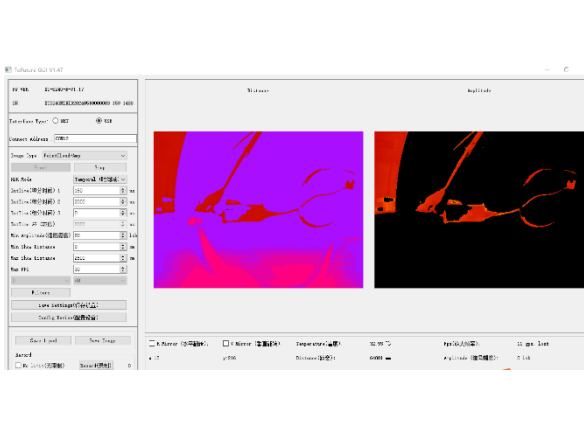
No visual damage in appearance. The sample can plot after test.

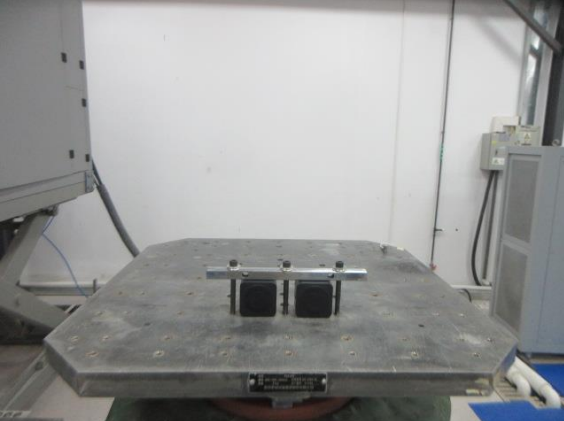
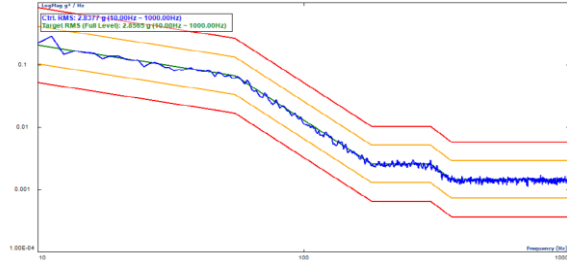
Test result:

Sample Number	Test Result
A1, A2	No visual damage in appearance. The sample could plot after test.

Conclusion: Pass

Photographs of the Test Configuration

	
Before test	After test
	
After test - Functional check (A1)	After test - Functional check (A1)
	
After test - Functional check (A2)	After test - Functional check (A2)

	
During test (X axis)	During test (Y axis)
	
During test (Z axis)	Test curve

Testing Instrument and Equipment

Equipment	Model	Equipment No.	Calibration Date	Next Calibration Date
Electro-dynamic vibration tester	DC-2200-26	GZMR-RL-E144	2023-11-27	2024-11-26
Sensor	2106C	GZMR-RL-E144-03	2024-05-23	2025-05-22

-----End of Report-----