

Ref. No.	ACSH20121602-R010
Total pages	6

TEST REPORT

Product: Pressure sensor

Type: M1 series /E series /A11 series

Test Category: Entrusted Test

Manufacturer: READSENSOR-TECH(shenzhen)CO.,LTD

Client: READSENSOR-TECH(shenzhen)CO.,LTD



ANCHESHENGHUI
安车昇辉

Shenzhen Ancheshenghui Test Technology Co., Ltd.

POINTS FOR ATTENTION

- 1 The Test Report is invalid without the seal of the testing organization.
- 2 The duplicated report is invalid without the seal of the testing organization.
- 3 The Test Report is invalid without any signatures of the tester, the reviewer and the approver.
- 4 The Test Report is invalid if being altered without the permission of the testing organization.
- 5 The Test Report does not have the social proof function without the seal of CMA.
- 6 Any objections must be raised to the testing organization within 15 days after the report is received. It will not be taken into consideration beyond this limit.
- 7 The Test Report is valid only for the tested specimen.

Name of laboratory: Shenzhen Ancheshenghui Test Technology Co., Ltd.

Address: 1/F. Building A, Jinye Creative Park, No. 5, Tianwan Road, Tianliao Community,
Yutang Street, Guangming District, Shenzhen, Guangdong, China

Post Code: 518107

Tel: 0755-29893646

TEST REPORT

Information of client

Client: READSENSOR-TECH(shenzhen)CO.,LTD

Address of client: Room 501, Floor 5, Building 5, Lihe Industrial Park, No.1055 songbai Road, Yangguang Community, Xili Street, Nanshan District, Shenzhen, Guangdong

Specimen

No.	Product	Type	Quantity
1	pressure sensor	M1 series	2PCS
2	pressure sensor	E series	2PCS
3	pressure sensor	A11 series	2PCS

Specimen No.: ACSH20121601-S01~S06

Manufacturer: READSENSOR-TECH(shenzhen)CO.,LTD

Received Date:2020.12.16

Sampling Method: Sent by client

Specimen Detail: Visual evaluation is in normal condition before test

Ambient Condition

Address : Environmental laboratory

Temperature: 18°C~28°C

Relative Humidity: 25%~75%

Air Pressure: 99kPa ~101kPa

Test Standard

- 1、MIL-STD-810C 10 March 1975 514.2 Vibration
- 2、Detailed technical requirement is offered by client.

Conclusions

According to the test requirements, a total of 1 test was commissioned, 1 actual test was conducted, 1 test was qualified according to the determination basis, and 0 unqualified test results were 《Summary of test results》

Tested by:

Reviewed by:

Approved by:

Release Date:2020.12.17

Summary of test results

No.	Test Item	Test Date	Test Address	Result
1	Vibration	2020.12.16	Shenzhen Ancheshenghui Test Technology Co., Ltd.	PASS

Samples Distribution

No.	Product	Type	Quantity	Specimen No.
1	pressure sensor	M1 series	2PCS	ACSH20121601- S01~S02
2	pressure sensor	E series	2PCS	ACSH20121601- S03~S04
3	pressure sensor	A11 series	2PCS	ACSH20121601- S05~S06

Test Description

1. Vibration

1.1 Specimen

No.	Product	Type	Quantity	Specimen No.
1	pressure sensor	M1 series	2PCS	ACSH20121601- S01~S02
2	pressure sensor	E series	2PCS	ACSH20121601- S03~S04
3	pressure sensor	A11 series	2PCS	ACSH20121601- S05~S06

1.2 Instrument used for the purpose of this test

No.	Designation	Type	SN	Due Date
1	Electric vibration test system	ES-50-445	ACSH-A-018	2021-05-05

1.3 Test Standard

- 1) MIL-STD-810C 10 March 1975 514.2 Vibration
- 2) Detailed technical requirement is offered by client.

1.4 Test Date

2020.12.16

1.5 Test Condition

Conduct Vibration test in accordance with MIL-STD-810C 10 March 1975 standard procedures, The test method is as follows:

- a) Pre-test detection : Under standard atmospheric conditions, the appearance and performance of the tested products were inspected;

b) Test:

No.	Frequency range	Amplitude	Acceleration
1	5Hz~14Hz	0.1inch (pp)	/
2	14Hz~23Hz	/	1g
3	23Hz~104Hz	0.036inch(pp)	/
4	104Hz~2000Hz	/	20g

Test direction: 3 axes(X/Y/Z)

Test time: 3h/axis,9h

Turn the specimen off during the test

Whether to conduct functional detection in the test: NO

c)After test: Under standard atmospheric conditions, the appearance and performance of the tested products were inspected.

1.6 Test Criterion

According to MIL-STD-810C 10 March 1975, the visual appearance of the sample did not change significantly after the test.

1.7 Test Photos and Curve

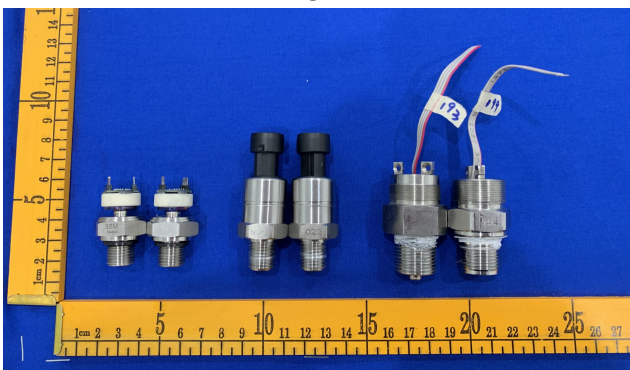


Fig. 1 Specimen before test



Fig. 2 Specimen after test

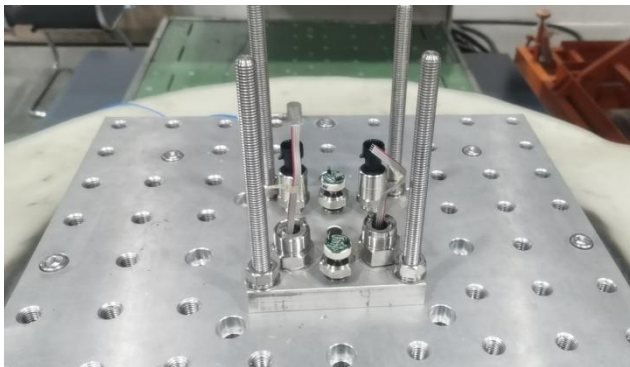


Fig. 3 Specimen mounting (X axis)

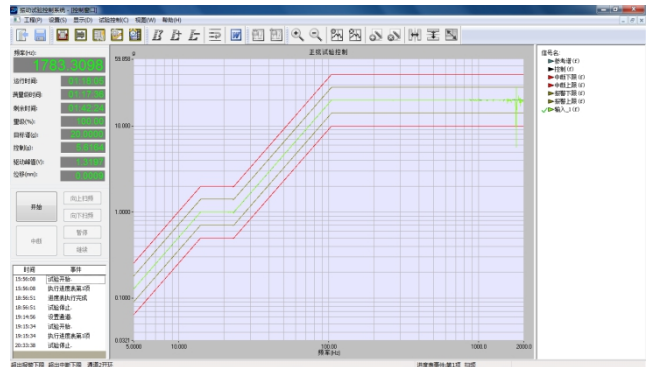


Fig. 4 Test curve (X axis)

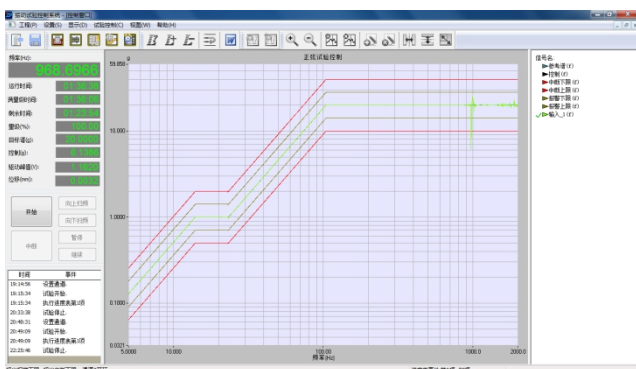


Fig. 5 Test curve (X axis)

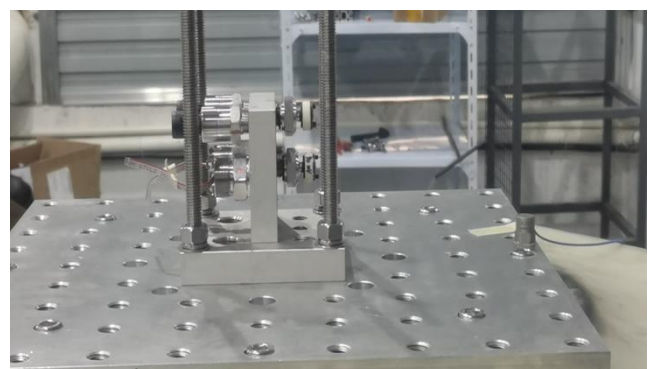


Fig. 6 Specimen mounting (Y axis)

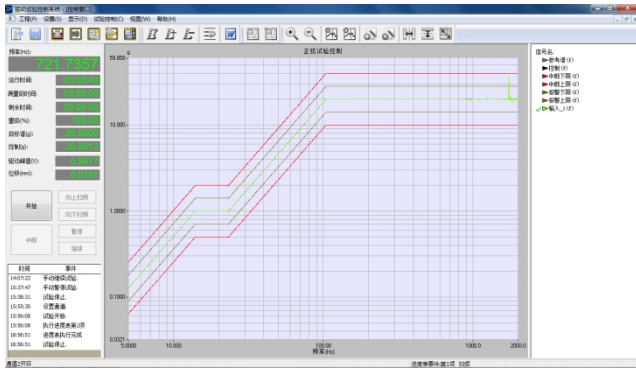


Fig.7 Test curve(Y axis)

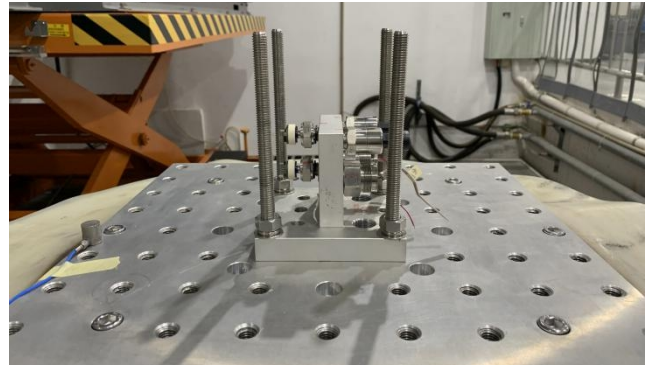


Fig.8 Specimen mounting (Z axis)

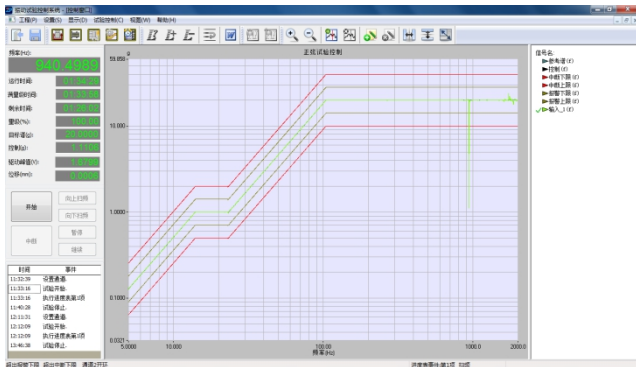


Fig.9 Test curve (Z axis)

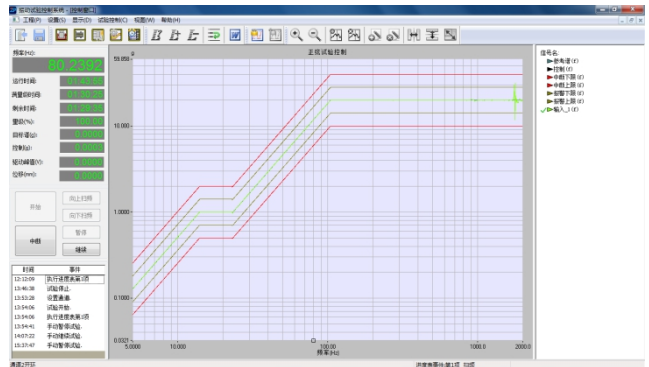


Fig.10 Test curve (Z axis)

1.8 Test Data

Model	S. N	Input	Output	Original Zero	After Zero	Zero change (%FS)	Standard (%FS)
M1 Series	001	5Vdc	0-100mV	0.19mV	0.23mV	0.04%FS	<0.5%FS
	002			-0.48mV	-0.39mV	0.09%FS	
E Series	003	5Vdc	0.5-4.5V	0.4985V	0.4980V	0.013%FS	
	004			0.5023V	0.5011V	0.03%FS	
All Series	005	1.5mA	0-100mV	0.84mV	0.77mV	0.07%FS	
	006			-0.07mV	-0.15mV	0.08%FS	

1.9 Test Result

After the test, there was no obvious change in the appearance of the sample.

(END)