Ref. No.	ACSH20121601-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℃~28℃ Relative Humidity: 25%~75%
Air Pressure: 99kPa ~101kPa

Test Standard
1、MIL-STD-202F 213B 16 April 1973 Shock
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	Shock	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. Shock

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	Vertical shock test equipment	SY10-100	ACSH-A-016	2021-05-05

1.3 Test Standard

1）MIL-STD-202F 213B 16 April 1973 Shock

2）Detailed technical requirement is offered by client.

1.4 Test Date

2020.12.16

1.5 Test Condition

Conduct Shock test in accordance with MIL-STD-202F 213B 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：

1）Peak test acceleration：50g

2）Pulse duration：11ms

3）waveform：Half-sine wave

4) Test direction: 3 axes
5) Shock number: 6 times/axis, 18 times
6) Turn the specimen off during the test
7) 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-202F 213B, the visual appearance of the sample did not change significantly after the test.

1.7 Test Photos and Curve

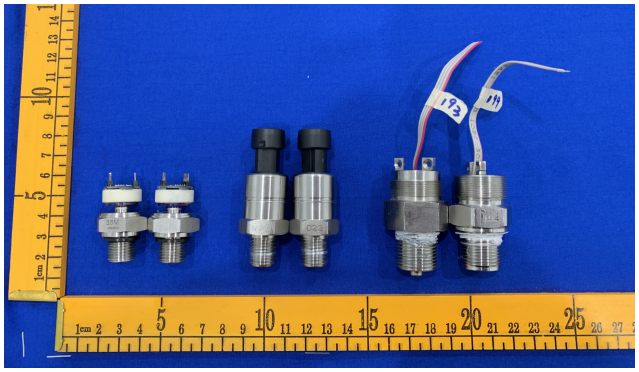

Fig.1 Specimen before test

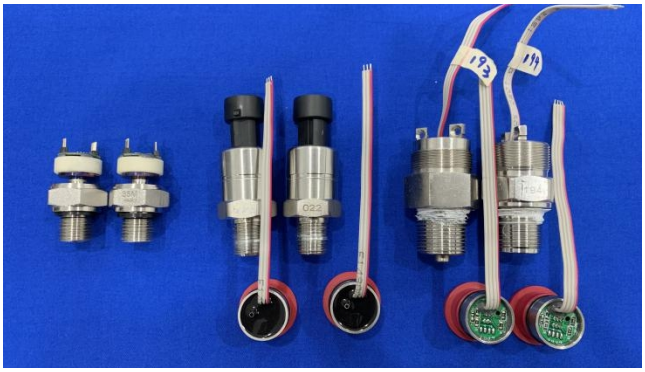

Fig.2 Specimen after test

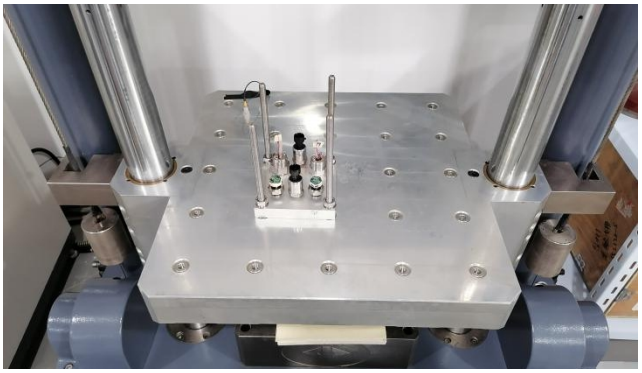

Fig.3 Specimen mounting (X axis)

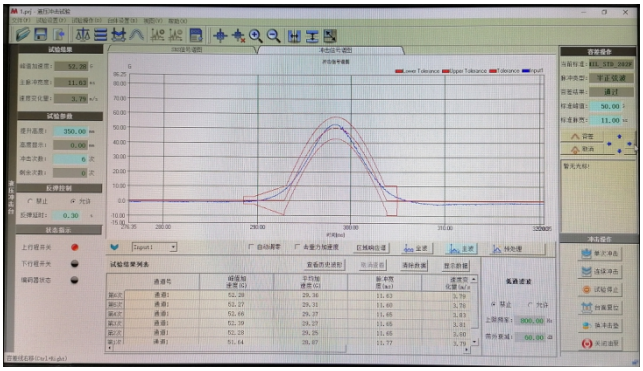

Fig.4 Test curve(X axis)

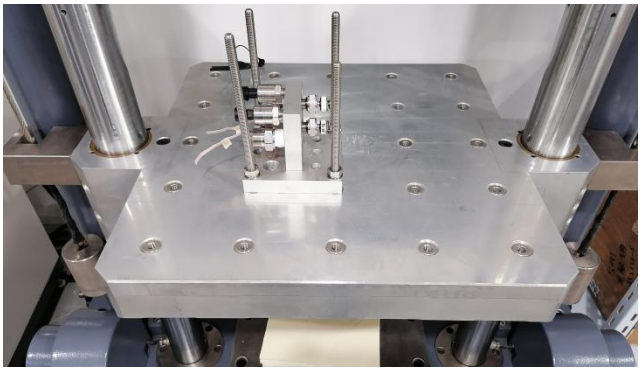

Fig.5 Specimen mounting (Y axis)

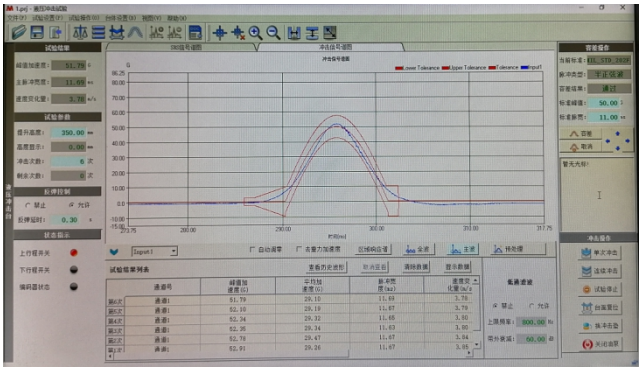

Fig.6 Test curve(Y axis)

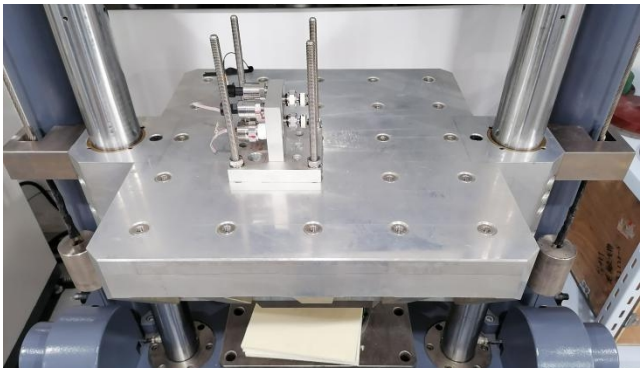

Fig.7 Specimen mounting (Z axis)

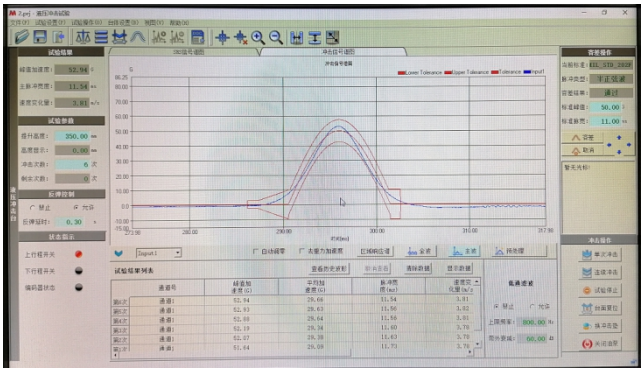

Fig.8 Test curve (Z 轴)

1.8 Test Data

Model	S.N	Input	Output	Original Zero	After Zero	Zero change (%FS)	Standard (%FS)
M1 Series	001	5Vdc	0-100mV	0.25mV	0.19mV	0.06%FS	<0.5%FS
	002			-0.57mV	-0.48mV	0.09%FS	
E Series	003	5Vdc	0.5-4.5V	0.4995V	0.4985V	0.025%FS	
	004			0.5010V	0.5023V	0.033%FS	
A11 Series	005	1.5mA	0-100mV	0.73mV	0.84mV	0.11%FS	
	006			-0.15mV	-0.07mV	0.08%FS	

1.9 Test Result

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

(END)