



TEST REPORT

Report No : THSH18122416507-EN Date: Jan. 13, 2019

Applicant : Shanghai Dingxi Automation Technology Co., Ltd.
Room 674, Building 2, 1690 Jiahao Road, Nanxiang Town, Jiading District.

Sample Description : Rotary Encoder

Model No. : DXM58 Series , DXM38 Series

Material : Aluminum, Stainless steel

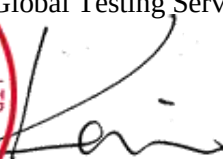
Date Received : Jan. 04, 2019

Test Period : Jan. 07, 2019 to Jan. 13, 2019

Test Method : Please refer to next page(s)

Test Result : Please refer to next page(s)

For and on behalf of
Shanghai Global Testing Services Co., Ltd

Authorized Signature:  

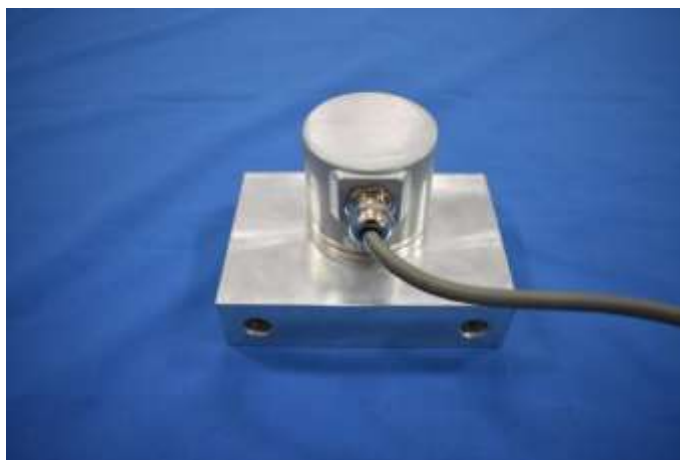
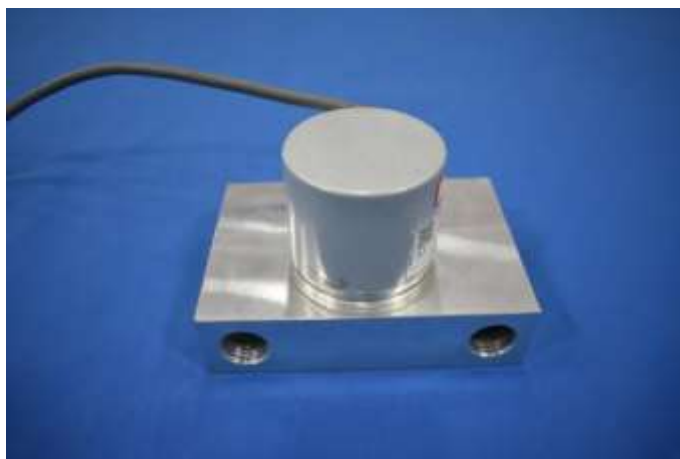
Shi Lei/Kevin
Approved Signatory -GTS/SHO

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Sample photo(s):



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1. Vibration Water Proof Test

1.1 Equipment of Test

Equipment	Manufacturer	Serial No.	Cal. Due Date
STI Vibration System	STI	ASHPTC2016009	03-Jan-2019
Piezoelectric accelerometer	YMC	CSHPTC2016018	25-Jul-2019
Piezoelectric accelerometer	PCB	CSHPTC2016019	15-May-2019

1.2 Lab Environmental Conditions

Ambient Temperature: 23.5°C

Relative Humidity: 53%RH

1.3 Test Methods/Specification

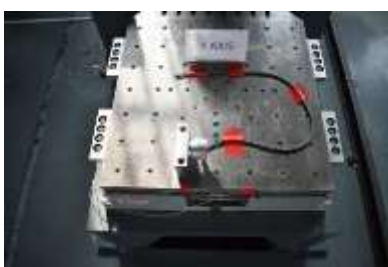
Test Methods: According to the client's test requirement and refer to IEC 60068-2-27:2008

Test Conditions:	Test Parameters	Test Condition	Operating State
	Frequency Cycle Range	10Hz ~ 1000Hz	Non operating state
	Acceleration Amplitude	≤10g	
	Sweeping Frequency Speed	1 Octave/min	
	Frequency Sweep Time	2 hours	
	Vibration Direction	X 、 Y 、 Z	

1.4 Test Setup



X Axis



Y Axis



Z Axis

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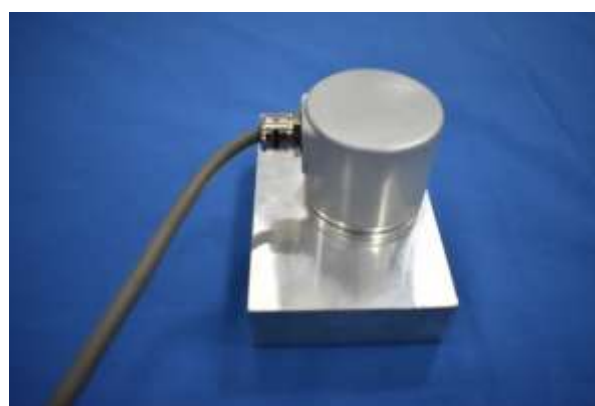
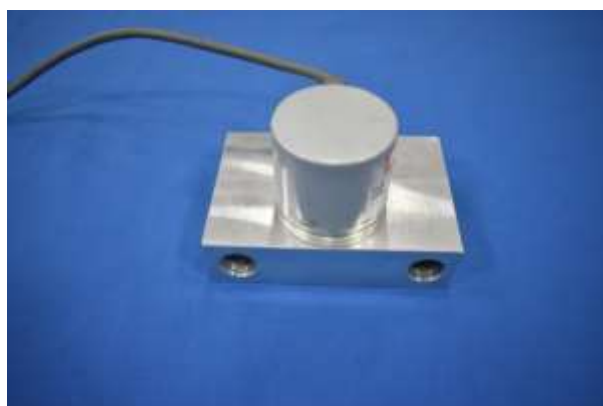
Date: Jan. 13, 2019

1.5 Test Result

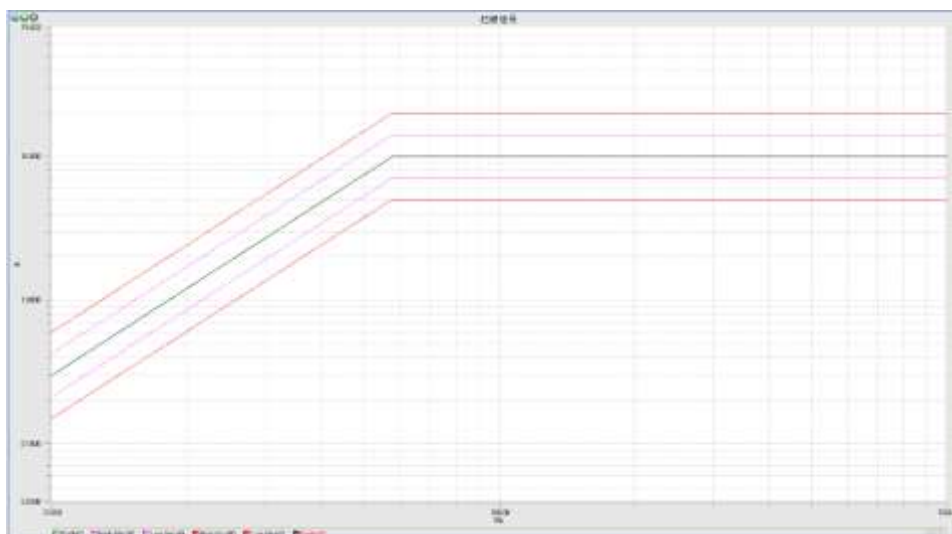
Sample Number	Test Results
01	After testing, the appearance of the sample is normal.

1.6 Appendix

- Sample photo(s) after test



- Test curves:



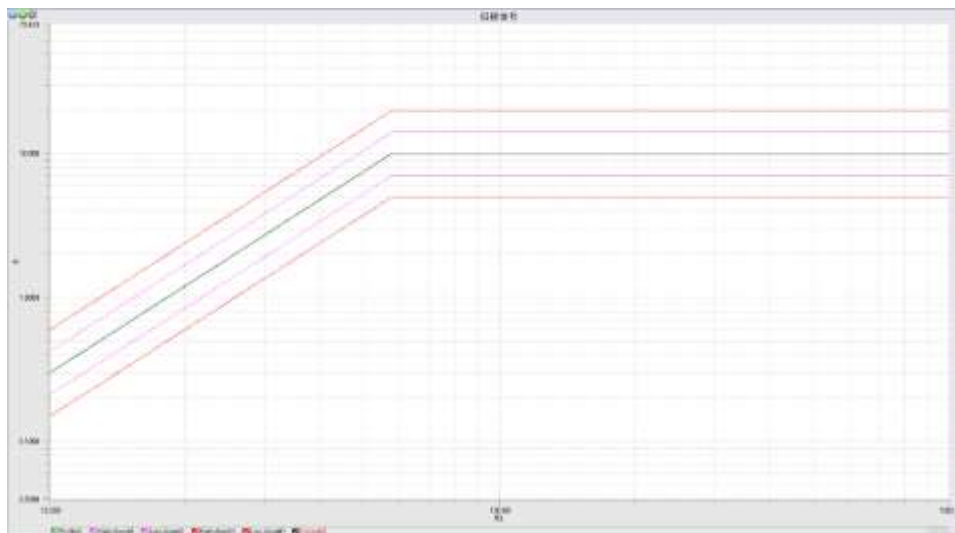


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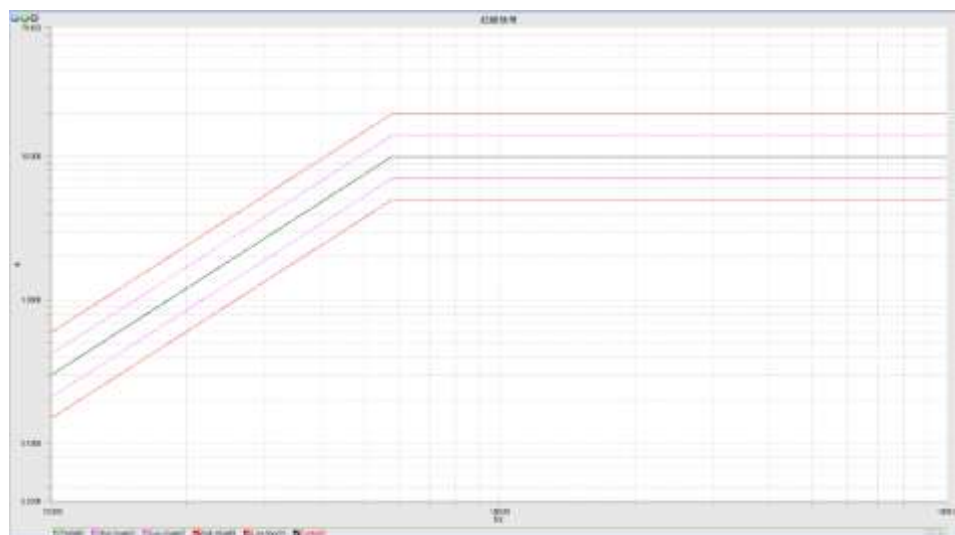
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X Axis



Y Axis



Z Axis

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2. Impact Test

2.1 Equipment of Test

Equipment	Manufacturer	Serial No.	Cal. Due Date
Mechanical impact table	/	ASQ-700	02-Jan-2020

2.2 Lab Environmental Conditions

Ambient Temperature: 23.5°C

Relative Humidity: 53%RH

2.3 Test Methods/Specification

Test Methods: According to the client's test requirement and refer to IEC 60068-2-27:2008

Test Conditions:

Test Parameters	Test Condition	Operating State
Accelerated Speed	100g	Non operating state
Pulse Duration	6ms	
Impact Times	Six faces, Once	
Waveform	Half-sine wave	

2.4 Test Setup



bottom



top

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left



right



front



rear

2.5 Test Result

Sample Number	Test Results
01	After testing, the appearance of the sample is normal.

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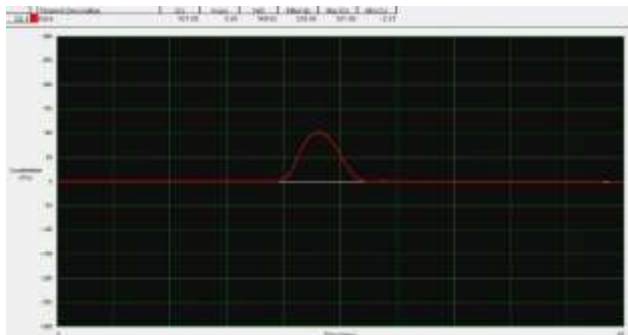
Date: Jan. 13, 2019

2.6 Appendix

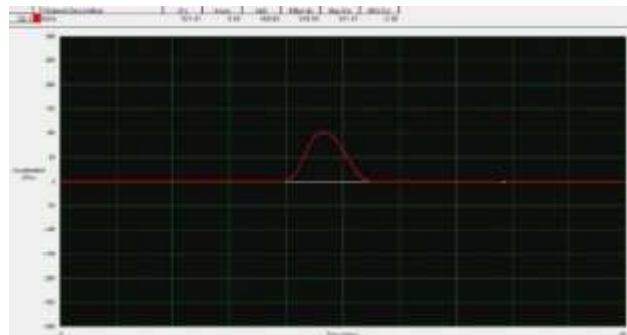
- Sample photo(s) after test



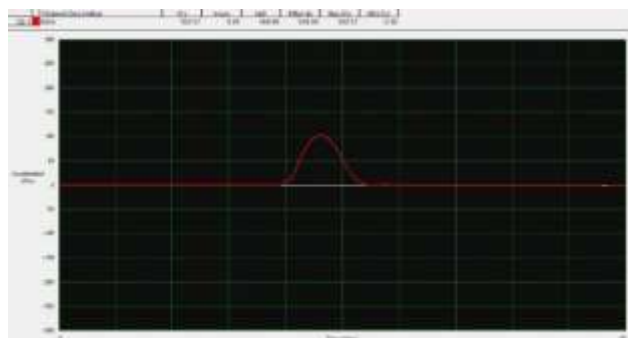
- Test curves:



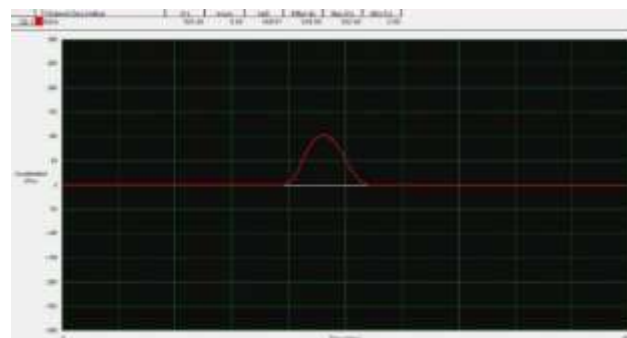
bottom



top



left



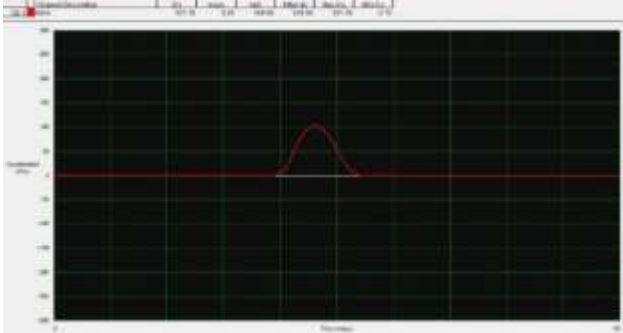
right



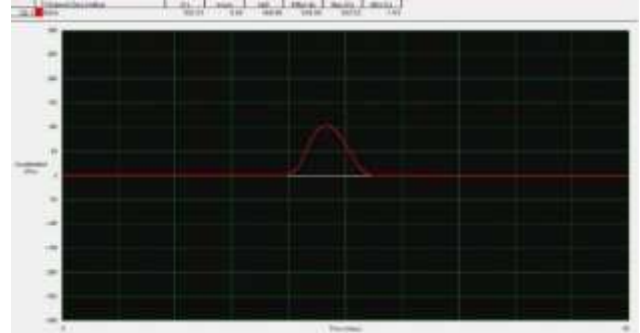
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front



rear

***** End of Test Report *****