



Reliability Laboratory

## TEST REPORT

Report No.: HC80159A/2014  
Page: 1 of 4  
Date: September 17, 2014

NEOUSYS TECHNOLOGY INC.  
15F, NO. 868-3, ZHONGZHENG RD.,  
ZHONGHE DIST., NEW TAIPEI CITY, TAIWAN

The following merchandise was submitted and identified by the vendor as:

Product Description: Fanless Controller  
Style/ Item No.: Nuvo-3100VTC(with 2.5 Inch HDD)/No.1  
Quantity: Total 1 piece  
Testing Period: Sep. 1, 2014

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required: (According to client's test specification, please see following sheets in detail.)  
1. Random Vibration Test

Test Results: – PLEASE SEE ATTACHED SHEETS –

\*HC80159/2014, dated on September 11, 2014, is hereby canceled and replaced by HC80159A/2014.

Signed for and on behalf of  
SGS TAIWAN Ltd.

Hank Chiou  
Asst. Supervisor

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## 1. Random Vibration Test

### Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	King Design	EM-800F2K-50N120	RU104080389
Controller	Dactron	COMET 200	10539718
Control Accelerometer	PCB	353B34	139174

### Lab Environmental Conditions:

Ambient temperature:  $(25 \pm 3) ^\circ\text{C}$

Ambient humidity:  $(55 \pm 20) \% \text{RH}$

### Test Method/ Specification:

Test method: Reference to IEC 60068-2-64, Edition 2.0: 2008

Sample condition: Operating (execute "BurnIn Test")

Wave form: Random

Frequency:  $(5 \sim 500) \text{ Hz}$

Frequency (Hz)	Left Slope (dB/Oct.)	PSD ( $\text{G}^2/\text{Hz}$ )	Right Slope (dB/Oct.)
5	—	0.002	0
500	0	0.002	—

⇔ equivalent to 1.0  $\text{G}_{\text{rms}}$

Direction: X, Y, Z axes (see photo 3 ~ 5)

Duration: 30 minutes/ axis

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Turn on the power of specimen then examine the test program "BurnIn Test" could work normally or not.

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**Specimen:**

Style/Item No.: Nuvo-3100VTC(with 2.5 Inch HDD)/ No.1





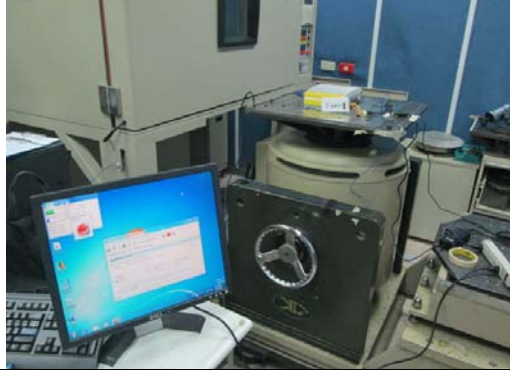
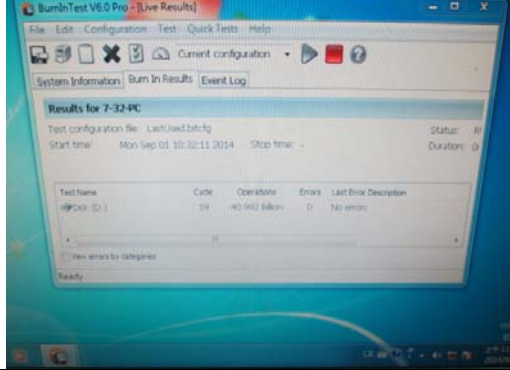
Quantity: Total 1 piece

**Test Result:**

<div style="text-align: right;"><b>Check Item</b></div> <b>Style/ Item No.</b>	<b>Appearance check (Visual check)</b>	<b>Functional check</b>
<b>Nuvo-3100VTC(with 2.5 Inch HDD)/ No.1</b>	No visible damage	Normal

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Test Photos:

	
<p>1. Appearance of specimen</p>	<p>2. Appearance of specimen</p>
	
<p>3. Random Vibration Test: X axis</p>	<p>4. Random Vibration Test: Y axis</p>
	
<p>5. Random Vibration Test: Z axis</p>	<p>6. Functional check</p>

— — — The End of Test Report — — —

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