



## TEST REPORT

Mechanical & Hardgoods Lab

Report No. : HLD0404/2010

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Date : JAN. 28, 2011

### Sunheng Technology Co., Ltd.

No. 1-7, Changping E. 6<sup>th</sup> Rd., Beitun Dist., Taichung City 406, Taiwan

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

Product Description: Digital Torque Adaptor

Style/Item No.: SH-DGTS

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

#### Test Requested:

Torsional Fatigue Test (Life Test)

#### Test Equipment:

Torsional Testing Machine (CY-6773)  
Standard Arm (CDI/Model: 40 IN/5 IN/10 IN)  
Computer Torque Tester (CDI/Model: 0760)  
Dead Weight (N.G. Brown/Model: Class F1)  
Dead Weight (CDI/Model: Class C)

#### Test Method & Results:

--- See attached sheets ---

Testing Period: DEC. 24, 2010 ~ JAN. 28, 2011

Signed for and on behalf of  
SGS Taiwan Ltd.

Benson Liao  
Asst. Manager

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TWA4232001



**Test Method & Results:**

Torsional Fatigue Test (Life Test)

Test Condition:

Torsional Fatigue Test: At room temperature, and test load: 0 N-m ~ 200 N-m.

Test frequency of 1 Hz, Enduring 10,000 cycles.

Examined was the torque value on 50, 100, 150 & 180 N-m after carry out torsional fatigue test.

Torque check:

Sample	Reading (N-m)	Standard (N-m)	Deviation (N-m)	Deviation (%)
Digital Torque Adaptor-Red (Clockwise)	50	50.16	-0.16	0.32
	100	99.68	0.32	0.32
	150	149.1	0.9	0.60
	180	178.6	1.4	0.78
Digital Torque Adaptor-Red (Counterclockwise)	50	50.45	-0.45	0.90
	100	100.3	-0.3	0.30
	150	150.2	-0.2	0.13
	180	180.1	-0.1	0.06

– Picture Page –



Photo "A" : Appearance of the samples



Photo "B" : Torsional fatigue test

--- End of Report ---

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