

Schedule

ETS Solutions Asia Pte Ltd
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Certificate No. : LA-2017-0656-C

Issue No. : 4

Date : 21 June 2021

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FIELD OF TESTING : Calibration and Measurement

MEASURED QUANTITIES / INSTRUMENTS / RANGE TO BE CALIBRATED	METHOD	CALIBRATION AND MEASUREMENT CAPABILITY (CMC*)
<u>VIBRATION</u>		
Accelerometer		
1. <u>Voltage Sensitivity</u>	ETS In-house Procedure: SOP-2017-CA-02 (Rev B, 19/09/2019)	
1 Hz to 5 Hz		4.2 %
> 5 Hz to 10 Hz		3.3 %
> 10 Hz to < 100 Hz		2.1 %
100 Hz to 2000 Hz		1.7 %
> 2000 Hz to 5000 Hz		3.0 %
> 5000Hz to < 8000 Hz		3.2 %
> 8000Hz to 10000 Hz		3.8 %
2. <u>Charge Accelerometer</u>		
1 Hz to < 4 Hz		4.6 %
4 Hz to 10 Hz		3.6 %
> 10 Hz to < 3000 Hz		2.3 %
3000 Hz to < 7000 Hz		3.5 %
7000 Hz to 10000 Hz	4.1 %	
Electrodynamic Shaker Controller (AC Voltage , Charge)		
1. <u>Input Channel</u>	ETS In-house Procedure: SOP-2017-CA-01 (Rev B, 03/12/2019)	
1 Hz to < 10 Hz		0.4 %
10 Hz to < 2000 Hz		0.2 %
2 kHz to < 8 kHz		0.5 %
8 kHz to < 10 kHz		0.7 %
10 kHz to <15 kHz		1.2 %
15 kHz to 20 kHz	1.8 %	

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2. <u>Output Channel</u> 1 Hz to < 10 Hz 10 Hz to < 10000 Hz 10 kHz to < 15 kHz 15 kHz to 20 kHz		0.4 % 1.8 % 2.0 % 2.0 %

* CMC is expressed as an expanded uncertainty estimated at a level of confidence of approximately 95 %.

Approved signatories

Mr Miko Trisetya Judiutama

Note :

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid calibration results. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.