Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

6508

Accredited to ISO/IEC 17025:2017

1g Dynamics Limited

Issue No: 005 **Issue date:** 19 November 2024

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
AEROSPACE COMPONENTS AND EQUIPMENT COMPUTERS AND PERIPHERALS ELECTRICAL/ELECTRONIC PRODUCTS AND COMPONENTS ELECTRO-MECHANICAL DEVICES MARINE EQUIPMENT AUTOMOTIVE EQUIPMENT	**ENVIRONMENTAL TESTS** (non-explosive items) **CLIMATIC -** **Single Parameters** **HIGH TEMPERATURE** Steady state & cyclic Max temp: +180 °C Max chamber size: 1.3 m x 1.3 m x 1.0 m **LOW TEMPERATURE** Steady state & cyclic Min temp: -70 °C Max chamber size: 1.3 m x 1.3 m x 1.0 m **THERMAL CYCLING** Max temp: +180 °C Min temp: -70 °C Max chamber size: 1.3 m x 1.3 m x 1.0 m **HIGH HUMIDITY - Steady State and cyclic** Temp range: 25 °C to 70 °C Humidity range: 10 %rh to 95 %rh Max chamber size: 1.3 m x 1.3 m x 1.0 m	 BS EN 60068-2-2: 2007 B MIL STD 810G 501.5 & H, Method 501.7 BS EN 60068-2-1: 2007 A MIL STD 810G 502.5 & H, Method 502.7 BS EN 60668-2-14 : 2009 Test Nb BS EN 60068-2-30:2005 Variant 2 MIL STD 810G 507.5 & H, Method 507.6 BS EN 60068-2-78:2013 Cab

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**DYNAMIC** **Single/Combined Parameters**	
	VIBRATION - Sinusoidal at ambient conditions Freq range: 2 to 3000 Hz Peak thrust: 53.4 kN Max pk/pk displacement: 38 mm Max load: 700 kg Peak thrust: 16 kN Max pk/pk displacement: 51 mm Max load: 300 kg	BS EN 60068-2-6:2008 Fc MIL STD 810G 514.6 & H, Method 514.8 RTCA DO-160G : Section 8
	VIBRATION – Random / Sine on Random at ambient conditions Freq range: 2 to 3000 Hz Peak thrust: 55.6 kN Max pk/pk displacement: 38 mm Max load: 700 kg Peak thrust: 16 kN Max pk/pk displacement: 51 mm Max load: 300 kg	BS EN 60068-2-64:2008+A1 :2019 Test Fh MIL STD 810G 514.6 & H, Method 514.8 RTCA DO-160G : Section 8
	TEMPERATURE/VIBRATION -70 °C to 180ºC Max chamber size: 1.3 m x 1.3 m x 1.0 m	

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**SHOCK** **Half sine** Max severity: 1000 ms^{-2} Duration: 30 ms (severity dependent) **Terminal peak sawtooth** Max severity: 650 ms^{-2} Duration: 18 ms (severity dependent) **Trapezoidal** Max severity: 100 ms^{-2} Duration: 18 ms (severity dependent)	BS EN 60068-2-27:2009 Ea MIL STD 810G 516.6 & H, Method 516.8 RTCA DO-160G : Section 7
END		