



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CLARK DYNAMIC TESTING LABORATORY, INC.
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MECHANICAL/ENVIRONMENTAL

Valid To: October 31, 2022

Certificate Number: 1337.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform seismic, vibration, thermal aging, EMC/EMI and shock testing on equipment for military, aerospace, HVAC, electrical transmission, power generation, nuclear, transportation, rail, automotive & space industries.

Seismic Independent Triaxial shake table, Random Input Motion (RIM)
Vibration: Sine, Random, shock impulse
Thermal temperature testing, cyclical aging
Shock High impact medium weight
EMC/EMI

Test Technology:

Test Method(s) ¹:

Altitude

MIL-STD-810C, D, E, F, G, H, Method 500 (700 to 50 000 ft);
MIL-STD-202:105, Per Unit Test;
RTCA/DO-160 (F and G) Section 4

Seismic

IEEE 323, 344, 693;
AC 156, OSHPD, CBC 2013, IBC 2012;
GR-63-CORE (NEBS)

Temperature and Humidity

RTCA / DO 160 Section 4;
RTCA / DO 160 Section 5, Category C only;
RTCA / DO 160 Section 6;
IEEE 323;
MIL-STD-810B, C, D, E, F, G, H, Methods 501 and 502
(-100 to 400 °C);
MIL-STD-810B, C, D, E, F, G, H, Method 507 (10 to 95 %RH);
MIL-STD-202:103, Per Unit Test;
MIL-STD-202:106, Per Unit Test;
MIL-STD-202:107 (-70 to 175 °C);
MIL-STD-202:108, Per Unit Test;
GR-63 CORE (-100 to 400 °C);
IEC 60068-2-1 (-100 to 400 °C);

Test Technology:**Test Method(s) ¹:**Temperature and Humidity
(cont.)IEC 60068-2-3 (-100 to 400 °C);
IEC 61131-1 (-70 to 175 °C);
MIL-STD-833G/H (-70 to 175 °C);
MIL-STD-833G/H (-100 to 400 °C)

Mechanical Shock

RTCA / DO 160 Section 7;
MIL-STD-810B-H:516, Per Unit Test;
MIL-STD-202:213, Per Unit Test

Vibration

RTCA / DO 160E Section 8;
RTCA / DO 160F Section 8;
RTCA / DO 160G Section 8;
MIL-STD-202:201, Per Unit Test;
MIL-STD-202:204 (5 Hz – 2 000 Hz);
MIL-STD-202:214 (5 Hz – 2 000 Hz);
MIL-STD-810B 514 (5 Hz – 2 000 Hz);
MIL-STD-810C 514 (5 Hz – 2 000 Hz);
MIL-STD-810D 514 (5 Hz – 2 000 Hz);
MIL-STD-810E 514 (5 Hz – 2 000 Hz);
MIL-STD-810F 514 (5 Hz – 2 000 Hz);
MIL-STD-810G 514 (5 Hz – 2 000 Hz);
MIL-STD-810H 514 (5 Hz – 2 000 Hz);
MIL-STD-167-1/1A, Per Unit Test;
GR-63 CORE (5 Hz to 2 000 Hz);
IEC 61373-99/2010 (5 Hz – 2 000 Hz);
ASTM D4169, D4718; EN 61373;
ISO 2631-1 (5 Hz – 2 000 Hz);
AREMA C&S, Part 11.5.1 (5 Hz – 2 000 Hz)

High Impact Shock

MIL-S-901D/E Medium Weight Shock;
MIL-DTL-90

Salt Spray/Fog

RTCA / DO 160 Section 14;
MIL-STD-810B-H:509, Per Unit Test;
ISO 9227;
IEC 60068-2-11;
ASTM B117;
MIL-STD-202:101, Per Unit Test

¹ When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.



Accredited Laboratory

A2LA has accredited

CLARK DYNAMIC TESTING LABORATORY, INC.

Jefferson Hills, PA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 10th day of November 2020.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1337.03
Valid to October 31, 2022

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.