



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TEKTRONIX, INC.
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 North Billerica, MA 01862
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MECHANICAL

Valid To: September 30, 2018

Certificate Number: 2357.23

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on Electronic and Electro-Mechanical Devices:

I. Mechanical

<u>Test Type/Equipment Capabilities</u>	<u>Test Method</u>
Shock – Up to 30 000 g	MIL-STD-202: Method 213 MIL-STD-750: Method 2016 MIL-STD-810: Method 516 MIL-STD-883: Method 2002 IEC 60068-2-27, IEC 60068-2-29
Vibration (Sine and Random) – Frequency (5 to 3000) Hz; Rating Up to 25 000 ft·lb	MIL-STD-202: Method 201, 204 and 214 (R) MIL-STD-750: Method 2046 and 2056 MIL-STD-810: Method 514 MIL-STD-883: Method 2007 ISTA, ASTM D4169, Fixed Displacement, Sine and Random IEC 60068-2-6, IEC 60068-2-64 MIL-STD-167
Acceleration – (5000 to 30000) x g; (1 to 120) g	MIL-STD-202: Method 212 TC, B and C MIL-STD-750: Method 2006 MIL-STD-883: Method 2001
Compression – (6600 lb, 36 in stroke)	ISTA, ASTM D4169

<u>Test Type/Equipment Capabilities</u>	<u>Test Method</u>
Altitude – Up to 50000 ft	MIL-STD-202: Method 105 MIL-STD-750: Method 1001 MIL-STD-810: Method 500 IEC 60068-2-13 ASTM D4169, ASTM D6653
Explosion	MIL-STD-202: Method 109 MIL-STD-810: Method 511
High/Low Temperature – (-75 to +200) °C	MIL-STD-810: Method 501 and 502 IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14
Thermal Shock – (-75 to +200) °C	MIL-STD-202: Method 107 MIL-STD-750: Method 1051 MIL-STD-810: Method 503 MIL-STD-883: Method 1010
Humidity – (5 to 100) %	MIL-STD-202: Method 103 and 106 MIL-STD-750: Method 1021 MIL-STD-810: Method 507 MIL-STD-883: Method 1004 IEC 60068-2-30, IEC 60068-2-78 ISTA ¹ , ASTM D4169, ASTM D4332

¹ Humidity conditions to follow the applicable ISTA Standards.





Accredited Laboratory

A2LA has accredited

TEKTRONIX, INC.

North Billerica, MA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009).



Presented this 16th day of December 2016.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2357.23
Valid to September 30, 2018

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