



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

NATIONAL TECHNICAL SYSTEMS SLMT INC.
150 Trillium Drive
Kitchener, Ontario, CANADA, N2E 2C4
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ELECTRICAL

Valid To: March 31, 2023

Certificate Number: 0214.51

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on Components and Assemblies (Wiring and Related Products):

<u>Tests:</u>	<u>Capability</u>	<u>Test Method(s) ²:</u>
<u>Specifications</u>		
D-C Resistance and/or Conductance of Insulating Materials		ASTM D257
DC Cable Tester (Resistance/Voltage) ¹	Max. Connections: 1 664 Pinouts Voltage: (50 to 1 500) V DC 4-Wire Resistance: (0.001 to 10) Ω High Voltage Ins. Res.: 5 M Ω to 1 G Ω	SAE J1128; MIL-STD-202, Method 303
Insulation Resistance ¹	Resistance: 0.01 M Ω to 20 G Ω Voltage: (0.1 to 1 999) mV Capacitance: 0.1 nF to 9,99 μ F	MIL-STD-202, Method 302
Crimp Connections ¹	Max. Connections: 1 664 Pinouts Voltage: (50 to 1 500) V DC 4 Wire Resistance: (0.001 to 10) Ω High Voltage Ins. Res.: 5 M Ω to 1 G Ω	VW 603 30; MIL-STD-202, Methods 302 & 303

<u>Tests:</u>	<u>Capability</u>	<u>Test Method(s) ²:</u>
Spark Tester ¹	Voltage Range: (500 to 15 000) V _{rms} Wire Diameter: Up to 1"	MIL-DTL-3432
Surface & Volume Resistivity		IEC 60093; MIL-DTL-3432; NES M0141; ASTM D257
Dielectric Withstand (AC & DC Hi-Pot) ¹	AC Voltage: (100 to 5 000) V AC (50 or 60 Hz) AC Current: 20 mA max DC Voltage: (100 to 6 000) V DC DC Current: (0.10 to 7.50) mA	MIL-STD-202, Method 301

¹Also using customer specific test methods utilizing any combination of test equipment parameters listed above.

²When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is required to be using the current version within one year of the date of publication, per part C., Section 1 of A2LA R101 - *General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.



Accredited Laboratory

A2LA has accredited

NATIONAL TECHNICAL SYSTEMS SLMT INC.

Kitchener, Ontario, Canada

for technical competence in the field of

Electrical 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 23rd day of March 2021.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0214.51
Valid to March 31, 2023
Revised October 25, 2022

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