



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

THOMAS A. EDISON TECHNICAL CENTER POWER TEST LABORATORY

11131 Adams Road

Franksville, WI 53126

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ELECTRICAL

Valid To: July 31, 2026

Certificate Number: 1457.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above to perform the following analysis and testing of electrical components:

<u>Test¹:</u>	<u>Test Parameter:</u>
Fault Current Tests	Up to 200 kA, Up to 600 V, 60 Hz, 1 Phase Up to 40 kA, Up to 46 kV, 60 Hz, 3 Phase Momentary Fault Close Interruption
Load Current Tests	Up to 2400 A, Up to 46 kV, 60 Hz Resistive, Reactive, and Capacitive Switching Temperature Rise 1 A to 12 kA
High Voltage Tests	Up to 200 kV, 60 Hz, Voltage Withstand Up to 1.0 MV Impulse, 200 kV dc Withstand 200 kV 60 Hz Withstand Wet 200 kV 60 Hz Radio Influence Voltage Partial Discharge Lightning and Switching Voltage Impulse Endurance Test Induced Potential 400 Hz, Up to 95 kV
Torque	Up to 250 ft lb
Temperature	(-73 to 370) °C
Insulation Resistance	Up to 5 kV
Loss Measurements	Up to 2500 kVA three phase Up to 533 kVA single phase
Winding Resistance Measurements	0.1 $\mu\Omega$ to 320 k Ω

¹ Using the following methods and Customer supplied test methods within the capabilities listed above:
ANSI/IEEE C37, C57, C62 Standard Series; ANSI C29, IEEE Std. 4, Std. 386, Std. 18, Std. 404,
Std. 495, Std. 592, Std. 597, Std. 1247; ANSI/SIA A92.2; IEC 60137, 60871, 60143, 60282, 60420,
60549, 62271-100, 61633, 60383, 60507, 60815, 61109, 60243, 60099, 60156, 60265, 60129, 60298,
60470, 60694, 62271-102, 1634, 60076, 60060, 60270, 60502-4, 61442, 60214, 60214-1; NEMA CP-1,
107, CP-9; ASTM D149, D877, D3300, D3426, F711, F712, F855, F968; CENELEC HD 629.1 S2.

On the following materials:

Bushings, Cable Connectors, Capacitors, Capacitor Switches, Circuit Breakers, Fault Indicators,
Fault Interrupters, Fuses, Insulators, Insulating Fluids & Materials, Reclosers, Regulators, Reactors,
Sectionalizers, Switches, Switchgear, Surge Arresters, Surge Protective Devices, Transformers,
Tap Changers, Vehicle Aerial Devices.



Accredited Laboratory

A2LA has accredited

THOMAS A. EDISON TECHNICAL CENTER POWER TEST LABORATORY

Franksville, WI

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 17th day of September 2024.

A blue ink signature of Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1457.01
Valid to July 31, 2026

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