



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SIAC TEST LAB
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ELECTRICAL (EMC)

Valid To: December 31, 2023

Certificate Number: 3938.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following electrical and electro-mechanical compatibility (EMC) tests:

<u>Test Type:</u>	<u>Test Method(s)¹:</u>
Electrostatic Discharge	EN/IEC 61000-4-2
Fast Transient / Burst	EN/IEC 61000-4-4
Surge Immunity	EN/IEC 61000-4-5
Coupled Low Frequency Current	EN/IEC 61000-4-6
Power Frequency - Magnetic Field Immunity Standard	EN/IEC 61000-4-8
Voltage Dips, Short Interruptions and Voltage Variations - Immunity Tests	EN/IEC 61000-4-11
Voltage Dips, Short Interruptions and Voltage Variations - DC Input Ports	EN/IEC 61000-4-29
Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use	EN/IEC/UL 61010-2-201 (<i>Ch. 4, 5, 6, & 10 excluding enclosed equipment and section 4.4.2.101</i>); EN/IEC/UL 61010-1 (<i>Ch. 4, 5, 6, & 10 excluding enclosed equipment</i>)
Programmable Controllers - Part 2: Equipment Requirements and Tests	EN 61131-2: 2007 (<i>Ch. 6, 12.1.5, 12.1.8, 12.2.1, 12.2.2, 12.2.3, 12.3, & 12.4</i>); EN/IEC 61131-2

Test Type:

Test Method(s)¹:

Electromagnetic Compatibility of
Multimedia Equipment – Immunity
Requirements

CISPR 35 (*Excluding 4.2.2.2 & 4.2.7*);
KS C 9835 (*Excluding 4.2.2.2 & 4.2.7*)

Part 6-2: Generic standards –
Immunity for industrial environments

EN/IEC 61000-6-2 (*Excluding IEC 61000-4-3*);
KS C 9610-6-2 (*Excluding KS C 9610-4-3*)

Part 3-1: Immunity requirements for
safety-related systems and for
equipment
intended to perform safety-related
functions (functional safety) – General
industrial applications

EN/IEC 61326-3-1
(*Excluding IEC 61000-4-3 & IEC 61000-4-16*)

Part 3-2: Immunity requirements for
safety-related systems and for
equipment
intended to perform safety-related
functions (functional safety) –
Industrial
applications with specified
electromagnetic environment

EN/IEC 61326-3-2
(*Excluding IEC 61000-4-3*)

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





Accredited Laboratory

A2LA has accredited

SIAC TEST LAB

Johnson City, TN

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 22nd day of December 2021.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3938.01
Valid to December 31, 2023

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