CERTIFICATE OF ACCREDITATION

This is to attest that

UL LLC

1285 WALT WHITMAN ROAD
MELVILLE, NEW YORK 11747, U.S.A.

Calibration Laboratory CL-166

has met the requirements of AC204, *IAS Accreditation Criteria for Calibration Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories.* This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date February 12, 2024

Expiration Date May 1, 2026

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

UL LLC

www.ul.com

Contact Name Scott Cimino **Contact Phone** +1-631-546-2518

Accredited to ISO/IEC 17025:2017 *Effective Date February 12, 2024*

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY[1,2] (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Thermal			
Temperature Measure[4]	-50 °C to 0 °C 0 °C to 125 °C 125 °C to 300 °C	1.3 °C 0.66 °C 1.4 °C	Fluke 726 W/Type T probe VP000045CMC
Humidity Measure[4]	5 %RH to 95 %RH (10 °C to 30 °C) 5 %RH to 95 %RH (30 °C to 60 °C)	1.5 %RH 1.8 %RH	Rotronic HL-NT w/ Hygroclip 2 Probe CP000015
Electrical – DC/LF			
AC Voltage Measure[4]	1 kV to 30 kV	0.58 %	Ross Engineering VD60-6.2Y-A-LB-AL CP000678
AC High Voltage Dissipation Factor Generate[3] (10 kV @ 60 Hz)	0.105 %DF 0.320 %DF 1.05 %DF 3.20 %DF 10.5 %DF	1.0 % + 0.0052 %DF	Megger 670500-1 Comparison method
AC High Voltage Capacitance Generate[3] (10 kV @ 60 Hz)	100 pF	0.12 pF	Megger 670500-1 Comparison method

[1]The uncertainty covered by the Calibration and Measurement Capability (CMC) is expressed as the expanded uncertainty having a coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing calibrations of a best existing device. The measurement uncertainty reported on a calibration certificate may be greater than that provided in the CMC due to the behavior of the calibration item and other factors that may contribute to the uncertainty of a specific calibration.

[2]When uncertainty is stated in relative terms (such as percent, a multiplier expressed as a decimal fraction or in scientific notation), it is in relation to instrument reading or instrument output, as appropriate, unless otherwise indicated.

[3]Capability is suitable for the calibration of measuring devices in the stated ranges.

** If information in this CMC is presented in non-SI units, the conversion factors stated in NIST Special Publication 811 "Guide for the Use of the International System of Units (SI)" apply.*

[4]Capability is suitable for the calibration of devices intended to generate the indicated quantity in the stated ranges.

Note

DF=Dissipation Factor