CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Thomas Industrial Services
1314 East Potter Avenue
Milwaukee, WI 53207

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President
Expiry Date: 15 April 2024
Certificate Number: L2171

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. 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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Thomas Industrial Services
1314 East Potter Avenue
Milwaukee, WI 53207
Charles Thomas 414-483-9342

CALIBRATION

Valid to: **April 15, 2024** Certificate Number: **L2171**

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
DC Current - Source	(0 to 20) mA	0.012 mA	DC Current Calibrator
Millivolt Thermocouple Simulation	(0 to 1 815) °C	0.81 °C	Multifunction Calibrator

Thermodynamic

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
System Accuracy Test	(0 to 1 359) °C	1.6 °C	Process Calibrator and Thermocouple
Temperature Uniformity Surveys	(0 to 1 250) °C	1.4 °C	Data Logging Device

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 (k=2), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L2171.

Jason Stine, Vice President