SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

IFM PROVER USA, INC. CALIBRATION LABORATORY
420 Lapp Rd
Malvern, PA 19355
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CALIBRATION

Valid To: June 30, 2023 Certificate Number: 3416.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1, 3]:

I. Electrical – DC/Low Frequency

Parameter/Equipment	Range	CMC[2, 4] (±)	Comments
Resistance – Measure (For Calibration of Temperature Transducers)	(0 to 100) Ω (0 to 1000) Ω	0.10 K 0.10 K	Comparison / Ametek DTI-100 and STS-100 probes / Agilent 3458A
DC Current – Measure (For Calibration of Temperature Transducers)	(4 to 20) mA	0.10 K	Comparison / Ametek DTI-100 and STS-100 probes / Agilent 3458A
DC Voltage – Measure (For Calibration of Temperature Transducers)	(0 to 10) V	0.10 K	Comparison / Ametek DTI-100 and STS-100 probes / Agilent 3458A

II. Thermodynamic

Parameter/Equipment	Range	CMC[2] (±)	Comments
RTD (With Integral Display)	(-20 to 200) ºC	0.10 K	Comparison / Ametek DTI-100 and STS-100 probes

[1] This laboratory does not offer commercial calibration service.

[2] Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMC's represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

[3] This scope meets A2LA's *P112 Flexible Scope Policy.*

[4] The stated measured values are determined using the indicated instrument (see comments). The capability is suitable for the calibration of the devices intended to measure of generated the measured value in the ranges indicated, CMCs are expressed as either a specific value that covers the full range or as a fraction /percentage of the reading plus a fixed floor specification.

Accredited Laboratory

A2LA has accredited

IFM PROVER USA, INC CALIBRATION LABORATORY

Malvern, PA

for technical competence in the field of

Calibration

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 laboratory also meets the requirements of R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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 10th day of August 2021.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3416.01
Valid to June 30, 2023

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