



# CERTIFICATE OF ACCREDITATION

## ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

**MadgeTech, Inc.**  
**6 Warner Road**  
**Warner, NH 03278**

has been assessed by ANAB and meets the requirements of international standard

### ISO/IEC 17025:2017

while demonstrating technical competence in the field of

### CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

AC-2481

Certificate Number



ANAB Approval

Certificate Valid Through: 06/28/2021  
Version No. 006 Issued: 05/13/2019



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**

**MadgeTech, Inc.**  
 6 Warner Road  
 Warner, NH 03278  
 Dianne Moulton (603) 456-2011  
 dianne@madgetech.com

**CALIBRATION**

Valid to: **June 28, 2021**

Certificate Number: **AC-2481**

**Thermodynamic**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Resistance Thermometry	(-84 to 5) °C	0.039 °C	Fluke 5616 PRT with Fluke 1502A Indicator, Fluke 7381 Deep-Well Bath with Methanol
	(5 to 80) °C	0.039 °C	Fluke 5616 PRT with Fluke 1502A Indicator, Fluke 7321 Deep-Well Bath with Distilled Water
	(80 to 140) °C	0.036 °C	Fluke 5616 PRT with Fluke 1502A Indicator, Fluke 7321 Deep-Well Bath with Silicone Oil
	25 °C	0.13 °C	Direct Comparison using Vaisala HMP155 Temperature/ Humidity Probe and Indicator
Relative Humidity	(25 to 75) %RH	1.4 %RH	Direct Comparison using Vaisala HMP 155 Temperature/Humidity Probe and Indicator

**Mass and Mass Related**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pressure – Generate and Measure	(0.00 to 500.00) psig (0.050 to 500.00) psia	0.084 psi 0.093 psi	Direct comparison using Mensor CPC6000 with MadgeTech Fixture 4020

**Mass and Mass Related**

<b>Parameter/Equipment</b>	<b>Range</b>	<b>Expanded Uncertainty of Measurement (+/-)</b>	<b>Reference Standard, Method, and/or Equipment</b>
Pressure – Generate and Measure	(1.5 to 72.5) psia	0.063 psi	Direct comparison using Mensor CPC6000 with MadgeTech Fixture 4010

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. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2481.




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Vice President

