



World Class Accreditation

The American Association for Laboratory Accreditation

# Accredited Laboratory

A2LA has accredited

**VAISALA**

*Woburn, MA*

for technical competence in the field of

**Calibration**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and any additional program requirements in the field of calibration. 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 8 January 2009*).

Presented this 3<sup>rd</sup> day of November 2009



  
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President & CEO

For the Accreditation Council  
Certificate Number 2083.01  
Valid to September 30, 2011

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005  
& ANSI/NCSL Z540-1-1994

VAISALA  
10 Gill Street, Suite D  
Woburn, MA 01801  
Mike Johnson Phone: 781 933 4500

CALIBRATION

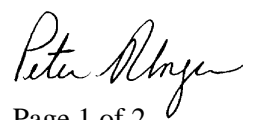
Valid To: September 30, 2011

Certificate Number: 2083.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1</sup>:

I. Thermodynamics

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments
Relative Humidity	11 % to 20 % 20 % to 40 % 40 % to 70 % 70 % to 80 % 80 % to 90 % 90 % to 95 %	0.13 % 0.23 % 0.27 % 0.34 % 0.39 % 0.41 %	Thunder Scientific
Fixed Point	0 %	0.10 %	Vaisala DMP248 Dewpoint Transmitter
Temperature	-80 °C to 200 °C  15 °C to 25 °C	0.013 °C  0.043 °C	Hart Scientific 1560 w/5614 probe  Thunder 2500
Dewpoint	-60 °C to -10 °C	0.17 °C	Thunder Scientific Model 3900



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<sup>1</sup> This laboratory offers commercial calibration service.

<sup>2</sup> Calibration and Measurement Capability (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. Calibration and Measurement Capabilities 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.