SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

METEO-TECH METEOROLOGICAL & SCIENTIFIC INSTRUMENTS LTD.
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CALIBRATION

Valid To: September 30, 2028 Certificate Number: 7302.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with R205 – A2LA's Calibration Program Requirements)(including an assessment of the organization's compliance with R205 – A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations[1, 5]:

I. Fluid Quantities

Parameter/Equipment	Range	CMC[2, 4, 6] (±)	Comments[7]
Air Velocity – Measuring Instruments[3]			
Air velocity	(1 to 18) m/s	1.5 %	Wind system calibrator 18860
Angle of Wind Direction	Up to 360 °	1 °	

II. Mechanical

Parameter/Equipment	Range	CMC[2, 4] (±)	Comments[7]
Scales & Balances[3]			
Resolution = 0.000 001 g	Up to 20 g	18*R*	OIML/R 76, USP-41, weights class E2, F1, M1 (OIML R111)
Resolution = 0.000 01 g	Up to 100 g	2.6*R*	
Resolution = 0.0001 g	Up to 200 g	1.3*R*	
Resolution = 0.001 g	Up to 5000 g	1.2*R*	
Resolution > 0.001 g	Up to 120 kg (120 to 240) kg	1.1*R* 1*R*	

Parameter/Equipment	Range	CMC[2, 4] (±)	Comments[7]
Scales & Balances[3] (cont) Resolution > 0.001 g	 (240 to 360) kg (360 to 480) kg (480 to 600) kg	 1.3*R* 1.9*R* 2.5*R*	OIML/R 76, USP-41, weights class E2, F1, M1 (OIML R111)
RPM – Measure & Measuring Instruments[3]	Up to 100 rpm (100 to 200) rpm (200 to 400) rpm (400 to 1000) rpm (1000 to 2000) rpm (2000 to 5000) rpm (5000 to 10 000) rpm (10 000 to 20 000) rpm (20 000 to 30 000) rpm	0.17 rpm 0.26 rpm 0.29 rpm 1.1 rpm 1.5 rpm 3 rpm 5.7 rpm 11 rpm 17 rpm	Tachometer DT-1236L
Pressure[3] – Pressure Sensors Absolute	 (10 to 60) kPa (60 to 500) kPa	 0.62 kPa 0.45 kPa	EURAMET Calibration Guide No. 17, Pressure transducer

III. Optical Quantities

Parameter/Equipment	Range	CMC[2, 4] (±)	Comments[7]
Pyranometers[3] – Calibration of Field Pyranometer (Outdoor) Normal Incidence	 Reference Pyranometer Sensitivity 8.72 μVm^2/W	 2.1 %	 ISO 9847 reference pyranometer CMP-11

IV. Thermodynamics

Parameter/Equipment	Range	CMC[2, 6] (±)	Comments[7]
Temperature – Measuring Equipment & Indicating Devices	(-80 to 0) °C (0 to 50) °C (50 to 100) °C (100 to 200) °C (200 to 400) °C (400 to 560) °C	0.27 °C 0.12 °C 0.16 °C 0.61 °C 0.73 °C 0.79 °C	ALMEMO 710, temperature bath
Climatic Chambers, Refrigerators, Ovens, Autoclaves, Incubators, Water Baths[3]	(-80 to 0) °C (0 to 50) °C (50 to 100) °C (100 to 250) °C (250 to 400) °C (400 to 560) °C	0.31 °C 0.19 °C 0.2 °C 0.26 °C 0.65 °C 0.71 °C	ISO 17665 ALMEMO 710
Humidity – Measure & Measuring Equipment	Up to 10 % RH (10 to 50) % RH (50 to 95) % RH	0.55 % RH 0.64 % RH 0.72 % RH	Humidity & temperature probe SANSEL/HTD-200

V. Time & Frequency

Parameter/Equipment	Range	CMC[2, 4] (±)	Comments[7]
Timers	(1 to 100) min	1 sec	Timer standard

[1] This laboratory offers commercial calibration service and field calibration services.

[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. CMCs 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] Field calibration service is available for this calibration. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

[4] In the statement of CMC, *R* refers to the resolution of the unit under test and, percentages are percentage of reading, unless otherwise indicated.

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

[6] The type of instrument or material being calibrated is defined by the parameter. This indicates the laboratory is capable of calibrating instruments that measure or generate the values in the ranges indicated for the listed measurement parameter.

[7] Calibration can be also performed to manufacturer or specific customer requirements.

Accredited Laboratory

A2LA has accredited

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Bnei Brak, ISRAEL

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 any additional program requirements in the calibration field. 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 29th day of September 2026.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7302.01
Valid to September 30, 2028

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