



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DING YUE PRECISION MEASUREMENT CO., LTD.
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CALIBRATION

Valid To: March 31, 2027

Certificate Number: 7469.01

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), accreditation is granted to this laboratory to perform the following calibrations¹:

I. Mechanical

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Balance ³	1 mg to 1 g 1 mg to 20 g (1 to 200) g (5 to 600) g (50 to 6000) g (1000 to 12 000) g (500 to 30 000) g (10 to 80) kg (20 to 150) kg	0.013 mg 0.035 mg 0.14 mg 0.003 g 0.02 g 0.2 g 0.2 g 4 g 10 g	OIML class E2 weights, OIML class F1 weights

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Universal Testing Machine ³			
Compression	(10 to 100) kgf (50 to 500) kgf (200 to 2000) kgf (500 to 5000) kgf (2 to 20) ton (5 to 50) ton (10 to 100) ton (20 to 200) ton	0.42 kgf 0.80 kgf 2.3 kgf 8.1 kgf 46 kgf 190 kgf 220 kgf 230 kgf	Load cell, Weights
Tension	(0.5 to 10) kgf (for Weights) (10 to 100) kgf (100 to 1000) kgf (1 to 10) ton (2 to 20) ton	0.39 kgf 0.42 kgf 1.4 kgf 40 kgf 47 kgf	

II. Thermodynamics

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Temperature Control Cabinet ³	(-20 to 100) °C (30 to 300) °C	1.7 °C 1.7 °C	Data logger,
Temperature and Humidity Control Cabinet ³	(-20 to 100) °C (20 to 95) %RH @(30 to 85) °C (30 to 300) °C	1.7 °C 1.8 % RH 1.7 °C	Data logger, thermos hygrometer

¹ This laboratory offers 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. 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 This scope meets *A2LA's P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

DING YUE PRECISION MEASUREMENT CO., LTD.

Taoyuan City, REPUBLIC OF CHINA TAIWAN

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 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 17th day of March 2025.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7469.01
Valid to March 31, 2027

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