



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MITSUBISHI HEAVY INDUSTRIES CLIMATE CONTROL INC.
1200 North Mitsubishi Parkway
Franklin, IN 46131
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CALIBRATION

Valid To: September 30, 2021

Certificate Number: 3852.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1, 7}:

I. Dimensional

Parameter/Equipment	Range	CMC ² (±)	Comments
Calipers	Up to 150 mm (Up to 6 in)	16 µm	Internal procedure using caliper checker, or gage blocks
Micrometers	Up to 50 mm (Up to 2 in)	1.5 µm	Internal procedure using gage blocks
Indicators (Linear and Test)	Up to 15 mm (Up to 0.6 in)	4.8 µm	Internal procedure using indicator checker, or gage blocks

II. Dimensional Testing/Calibration¹

Parameter/Equipment	Range	CMC ^{2, 4} (±)	Comments
3D Fixtures, Gages ⁵	Up to (1200 x 1800 x 1000) mm	(6.9 + 4.6L) µm	Dimensional measurements using CMM and Calypso software

III. Dimensional Testing⁶

Parameter/Equipment	Range	CMC ^{2, 4} (\pm)	Comments
3D Work Piece ³	Up to (1200 x 1800 x 1000) mm	$(6.9 + 4.6L) \mu\text{m}$	Dimensional measurement using CMM and Calypso software
1D Work Piece Features ³	Up to 150 mm (Up to 6 in)	22 μm	Dimensional measurement using caliper
1D Work Piece Features ³	Up to 50 mm (Up to 2 in)	2.8 μm	Dimensional measurement using micrometer
1D Work Piece Features ³	Up to 15 mm (Up to 0.6 in)	5.9 μm	Dimensional measurement using indicator

¹ This laboratory offers commercial dimensional testing/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 These tests are not equivalent to a calibration.

⁴ In the statement of CMC, L is the numerical value of the nominal length of the device measured in meters.

⁵ This laboratory meets *R205 – Specific Requirements: Calibration Laboratory Accreditation Program* for the types of dimensional tests listed above and is considered equivalent to that of a calibration.

⁶ This laboratory offers dimensional testing services only.

⁷ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

MITSUBISHI HEAVY INDUSTRIES CLIMATE CONTROL INC.

Franklin, IN

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 3rd day of June 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3852.01
Valid to September 30, 2021

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