



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MIESA METROLOGY S.de R.L. de C.V.
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CALIBRATION

Valid To: October 31, 2021

Certificate Number: 3936.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1, 6}:

I. Dimensional

Parameter/Equipment	Range	CMC ^{2, 5} (±)	Comments
CMM – Length Measurement Error ³	Up to 1000 mm	$0.68 + 0.0003L \mu\text{m}$	ISO 10360-2:2009 section 6.3.3., gage blocks

II. Dimensional Testing⁴

Parameter/Equipment	Range	CMC ^{2, 5} (±)	Comments
3D Length Measurement	Up to 1000 mm	$1.2 + 0.0003L \mu\text{m}$	Zeiss Contura G2 CMM
2D Length Measurement	X = Up to 300 mm Y = Up to 150 mm	12 μm	Ram Sprint MVP250 vision measuring system

¹ This laboratory offers commercial dimensional testing, calibration, 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 and this laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these calibrations. 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 test is not equivalent to that of a calibration.

⁵ In the statement of CMC, L is the length in unit of meter.

⁶ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

MIESA METROLOGY S.DE R.L. DE C.V.

Ciudad Juarez, Chihuahua, MEXICO

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 26th day of November 2019.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3936.01
Valid to October 31, 2021
Revised on November 20, 2020

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