



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

FARO Technologies, Inc.

**125 Technology Park
Lake Mary, FL 32746**

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 25 January 2022
Certificate Number: L1147-1



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

FARO Technologies, Inc.

125 Technology Park
Lake Mary, FL 32746
Rachel Sowers
407-333-9911

CALIBRATION

Valid to: **January 25, 2022**

Certificate Number: **L1147-1**

Length-Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method and/or Equipment
Articulated Arm Coordinate Measurement Machine (AACMM):			ASME B89.4.22-2004 at 5.2, 5.3 and 5.4 ISO 10360-2:2001
Volumetric Performance	(0 to 0.9) m (0 to 2.2) m	(0.35 + 0.45L) μm 3.5 μm	Ball Bar Kinematic Scale Bar
Effective Diameter	(3 to 25.4) mm	1 μm	Test Sphere
Articulated Arm Coordinate Measurement Machine (AACMM):			ISO 10360-12:2016 6.2, 6.3, 6.4
Probing Size Error (PSize)	Sphere Diameter: 25.4 mm	1 μm	Test Sphere
Probing Form Error (PForm)	Sphere Diameter: 25.4 mm	0.9 μm	Test Sphere
Articulated Location Error (LDia)	Sphere Diameter: 25.4mm	1.7 μm	Test Sphere
Length Measurement Error, Unidirectional (EUni)	(0 to 1.05) m (0 to 1.36) m (0 to 1.8) m (0 to 2.11) m (0 to 2.42) m (0 to 2.64) m	3.1 μm 3.7 μm 4.0 μm 5.7 μm 6.4 μm 8.4 μm	Kinematic Scale Bar

Length-Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method and/or Equipment
Articulated Arm Coordinate Measurement Machine (AACMM): Single Point Articulation Performance	N/A ³	0.41 μm	B89.4.22-2004 and ISO 10360-12:2016 Test Sphere
Articulated Arm Coordinate Measuring Machines (AACMM) with Optical Distance Sensors: Articulated Location Value	Sphere Diameter: 50.8 mm	4.4 μm	Based on ISO 10360-08:2013 Annex D Test Sphere
Laser Line Probe (LLP): Diameter Z Distance/Position	Cylinder Diameter: 25.4 mm (75 to 360) mm	1.8 μm 1.5 μm	Internal Procedure: Reference Cylinder Calibrated Distance/ Position by Laser Interferometer

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ($k=2$), corresponding to a confidence level of approximately 95%.

Notes:

1. Laboratory offers calibration services at the laboratory's own facilities.
2. L = Length in meters.
3. Point measurements do not have a range.
4. This scope is formatted as part of a single document including Certificate of Accreditation No. L1147-1.



R. Douglas Leonard Jr., VP, PILR SBU