



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**FARO Technologies UK Ltd**  
Unit 1A Great Central Way  
Rugby, CV21 3XH United Kingdom

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](http://www.anab.org).

A handwritten signature in black ink, appearing to be 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 25 January 2026

Certificate Number: L1147.14-1



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

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### CALIBRATION

Valid to: **January 25, 2026**

Certificate Number: **L1147.14-1**

#### Length-Dimensional Metrology

| Parameter/Equipment   | Range                       | Expanded Uncertainty of Measurement (+/-) <sup>2</sup>  | Reference Standard, Method, and/or Equipment  |
|---|-----------------------------|---|---|
| Articulated Arm Coordinate Measurement Machine (AACMM):<br><br>Volumetric Performance | (0 to 2.2) m                | 3.5 µm  | ASME B89.4.22-2004 at 5.2, 5.3 and 5.4<br>ISO 10360-2:2001<br><br>Kinematic Scale Bar |
| Effective Diameter  | (3 to 25.4) mm              | 1.0 µm  | Test Sphere   |
| Articulated Arm Coordinate Measurement Machine (AACMM):<br>Probing Size Error (PSize) | Sphere Diameter:<br>25.4 mm | 6 Axis 1.5m- 1.4 µm<br>6 Axis 2.0m- 1.6 µm<br>6 Axis 2.5m- 1.8 µm<br>6 Axis 3.0m- 2.4 µm<br>6 Axis 3.5m- 3.2 µm<br>6 Axis 4.0m- 4.0 µm<br>7 Axis 2.0m- 2.0 µm<br>7 Axis 2.5m- 2.2 µm<br>7 Axis 3.0m- 3.2 µm<br>7 Axis 3.5m- 4.0 µm<br>7 Axis 4.0m- 5.2 µm | ISO 10360-12:2016 6.2, 6.3, 6.4<br><br>Test Sphere                                    |

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|--|---|---|--|
| Articulated Arm Coordinate Measurement Machine (AACMM):<br>Probing Form Error (PForm)                      | Sphere Diameter:<br>25.4 mm   | 6 Axis 1.5m- 2.4 μm<br>6 Axis 2.0m- 3.4 μm<br>6 Axis 2.5m- 3.6 μm<br>6 Axis 3.0m- 5.2 μm<br>6 Axis 3.5m- 6.8 μm<br>6 Axis 4.0m- 7.6 μm<br>7 Axis 2.0m- 4.0 μm<br>7 Axis 2.5m- 4.4 μm<br>7 Axis 3.0m- 6.4 μm<br>7 Axis 3.5m- 7.8 μm<br>7 Axis 4.0m- 8.8 μm | Test Sphere                                  |
| Articulated Arm Coordinate Measurement Machine (AACMM):<br>Articulated Location Error (LDia)               | Sphere Diameter:<br>25.4 mm   | 6 Axis 1.5m- 2.4 μm<br>6 Axis 2.0m- 3.0 μm<br>6 Axis 2.5m- 3.2 μm<br>6 Axis 3.0m- 9.2 μm<br>6 Axis 3.5m- 13 μm<br>6 Axis 4.0m- 16 μm<br>7 Axis 2.0m- 4.0 μm<br>7 Axis 2.5m- 4.4 μm<br>7 Axis 3.0m- 15 μm<br>7 Axis 3.5m- 18 μm<br>7 Axis 4.0m- 22 μm      | Test Sphere                                  |
| Articulated Arm Coordinate Measurement Machine (AACMM):<br>Length Measurement Error, Unidirectional (EUni) | (0 to 1.05) m<br>(0 to 1.36) m<br>(0 to 1.8) m<br>(0 to 2.11) m<br>(0 to 2.42) m<br>(0 to 2.64) m | 3.1 μm<br>3.7 μm<br>4.0 μm<br>5.7 μm<br>6.4 μm<br>8.4 μm  | Kinematic Scale Bar                          |
| Articulated Arm Coordinate Measurement Machine (AACMM):<br>Single Point Articulation Performance           | N/A <sup>3</sup>  | 6 Axis 1.5m- 2.4 μm<br>6 Axis 2.0m- 3.2 μm<br>6 Axis 2.5m- 3.6 μm<br>6 Axis 3.0m- 5.4 μm<br>6 Axis 3.5m- 7.2 μm<br>6 Axis 4.0m- 9.0 μm<br>7 Axis 2.0m- 3.6 μm<br>7 Axis 2.5m- 4.0 μm<br>7 Axis 3.0m- 6.4 μm<br>7 Axis 3.5m- 9.0 μm<br>7 Axis 4.0m- 11 μm  | ISO 10360-12:2016<br><br>Test Sphere         |


**Length-Dimensional Metrology**

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|--|---|--|---|
| Articulated Arm Coordinate Measurement Machine (AACMM):<br>Single Point Articulation Performance                   | N/A <sup>3</sup>  | 0.41 μm  | ASME B89.4.22-2004<br>Test Sphere   |
| Articulated Arm Coordinate Measuring Machines (AACMM) with Optical Distance Sensors:<br>Articulated Location Value | Sphere Diameter:<br>50.8 mm                             | 4.4 μm   | Based on ISO 10360-08:2013 Annex D<br>Test Sphere   |
| Laser Line Probe (LLP):<br><br>Diameter<br><br><br>Z Distance/Position   | Cylinder Diameter:<br>25.4 mm<br><br><br>(80 to 230) mm | 3.8 μm<br><br><br>2.9 μm                               | Internal Procedure:<br>Reference Cylinder<br><br>Calibrated Distance/<br>Position by Laser Interferometer |
| Faro Laser Tracker:<br>Ranging Length Measurement  | (0.04 to 25) m  | (2 + 0.4L) μm  | ASME B89.4.19-2006:<br>Reference Laser Tracker  |
| Faro Laser Tracker:<br>Transverse Length Measurement   | (0.23 to 6.2) m   | (8 + 1.2X) μm  | ASME B89.4.19:2006<br>Reference Laser Tracker<br>Kinematic Scale Bars                                     |

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. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2.  $L$  = Length in meters,  $X$  = the perpendicular distance from the tracker to the space frame.
3. Point measurements do not have a range.
4. This scope is formatted as part of a single document including Certificate of Accreditation No. L1147.14-1.



Jason Stine, Vice President