



# CERTIFICATE OF ACCREDITATION

**The ANSI National Accreditation Board**

Hereby attests that

**FARO Technologies, Inc.**  
**290 National Road**  
**Exton, PA 19341**

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 read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 25 January 2024  
Certificate Number: L1147.02-1



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.**

290 National Road  
Exton, PA 19341  
Luke Steele  
610-444-2300

**CALIBRATION**

Valid to: **January 25, 2024**

Certificate Number: **L1147.02-1**

**Dimensional Metrology**

| Parameter / Equipment   | Range           | Expanded Uncertainty of Measurement (+/-) <sup>2</sup> | Reference Standard, Method and/or Equipment  |
|---|-----------------|--|--|
| FARO Laser Tracker:<br>Ranging Length Measurement               | (0.04 to 70) m  | $(2 + 0.4L) \mu\text{m}$                               | ISO 10360-10:2016<br>(Table 4)<br>ASME B89.4.19:2006<br>Reference Laser Tracker  |
| FARO Laser Tracker:<br>High Accuracy Ranging Length Measurement | (0 m to 48) m   | $(1.1 + 0.16L) \mu\text{m}$                            | ISO 10360-10:2016<br>(Table 4)<br>ASME B89.4.19:2006<br>IFM Integrated Automated ADM Rail. Direct Comparison to Laser Interferometer |
| FARO Laser Tracker:<br>Transverse Length Measurement            | (0.23 to 6.2) m | $(8 + 1.2X) \mu\text{m}$                               | ASME B89.4.19:2006<br>Reference Laser Tracker<br>Kinematic Scale Bars  |
| FARO Laser Tracker:<br>Transverse Length Measurement            | (0.5 to 6.2) m  | 4.9 $\mu\text{m}$                                      | ISO 10360-10:2016<br>(Tables 4 and 5)<br>Kinematic Scale Bars  |
| FARO Laser Tracker:<br>Probing Error of Form                    | (0.5 to 2) m    | 1 $\mu\text{m}$  | ISO 10360-10:2016<br>Reference Sphere  |

**Dimensional Metrology**

| Parameter / Equipment                                     | Range  | Expanded Uncertainty of Measurement (+/-) <sup>2</sup> | Reference Standard, Method and/or Equipment |
|---|--|--|---|
| FARO Laser Tracker:<br>Probing Error of Size              | (0.5 to 2) m   | 1.6 μm   | ISO 10360-10:2016<br>Reference Sphere       |
| FARO Laser Tracker:<br>Orientation Error of Six-DOF Probe | 2.5 m to 10 m  | 2 μm   | ISO 10360-10:2016                           |
| FARO 3D Imager:<br>Length Measurement (Sphere Spacing)    | Ball Bar Distance <sup>4</sup> :<br>220 mm (FOV: 500 mm) | 0.77 μm  | VDI/VDE 2634-2:2012<br>Ball Bar             |
|   | Ball Bar Distance <sup>4</sup> :<br>120 mm (FOV: 250 mm) | 0.54 μm  |   |

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,  $X$  = the perpendicular distance from the tracker to the space frame.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L1147.02-1.
4. FOV = Field of View.



R. Douglas Leonard Jr., VP, PILR SBU