CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

FARO Business Technologies India Pvt. Ltd.
A-32, Mohan Cooperative Industrial Estate,
Uppal's Genesis Building
Mathura Road, New Delhi – 110044 India

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.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 25 January 2024
Certificate Number: L1147.10-1

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 Business Technologies India Pvt. Ltd.

A-32, Mohan Cooperative Industrial Estate,
Uppal's Genesis Building
Mathura Road, New Delhi – 110044 India
Laljit Singh
+91-11-4646-5656

CALIBRATION

Valid to: **January 25, 2024** Certificate Number: **L1147.10-1**

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
Volumetric Performance	(0 to 0.9) m (0 to 2.2) m	(0.52 + 2.2*L*) µm 3.5 µm	ISO 10360-2:2001 Ball Bar Kinematic Scale Bar
Effective Diameter	(3 to 25.4) mm	1.0 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	1.0 µm	Test Sphere
Probing Form Error (PForm)	Sphere Diameter: 25.4 mm	0.9 µm	Test Sphere
Articulated Location Error (LDia)	Sphere Diameter: 25.4 mm	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 (80 to 230) mm	3.8 µm 2.9 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. 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.
3. Point measurements do not have a range.
4. This scope is formatted as part of a single document including Certificate of Accreditation No. L1147.10-1.

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