

S1

Calibration Certificate

Model: Focus S 350

Serial Number: LLS081711300

Certificate Number: LLS11300-20250331-EU

Certification Date: 31-Mar-2025

Measurement Items Used, Traceable to National Standards

Laser Tracker

Model: Vantage E

Serial No.: V20003706753

Cert. No.: V06753-23102024

Cert. Date: 23-Oct-2024

Reflectance Targets

Model: CalibLine Target90

Serial No.: TQ3335

Cert. No.: 24112501

Cert. Date: 25-Nov-2024

Model: CalibLine Target10

Serial No.: TA0187

Cert. No.: 24112502

Cert. Date: 25-Nov-2024

Model: 0025-Target2

Serial No.: CTE01975

Cert. No.: 24112503

Cert. Date: 25-Nov-2024

Calibration Results

3D Position Accuracy

Target 1	Target 2	Zone	Distance [m]	Uncertainty, k=2 [mm]	Scanner [m]	Deviation [mm]	Spec., k=1 [mm]	Spec., k=2 [mm]	Result
ZK6	ZK11	10 m	2,18239	0,20	2,18258	0,19	1,5	2,0	pass
ZK6	ZK8	10 m	2,59028	0,20	2,58957	-0,71	1,5	2,0	pass
ZK9	ZK10	25 m	5,15736	0,20	5,15716	-0,21	1,5	2,0	pass

Ranging Noise

Reflectance	Distance	Uncertainty, k=1 [mm]	Scanner	Specifications	Result
90%	10 m	0,067	0,14	0,30	pass
	25 m	0,067	0,16	0,30	pass
10%	10 m	0,067	0,22	0,40	pass
	25 m	0,067	0,34	0,50	pass
2%	10 m	0,067	0,40	1,30	pass
	25 m	0,067	0,74	2,00	pass

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The results of this certificate relate only to the items calibrated or tested.
The calibration is done at FARO or FARO Scanner Production operations sites according to FARO test protocols integrating guidelines defined in the Joint Committee for Guides in Metrology guidance document JCGM 100:2008 - Evaluation of measurement data - Guide to the expression of uncertainty in measurement, and the requirements for traceability according to the International Vocabulary of Basic and General Terms in Metrology (VIM) and the National Institute of Standards and Technology (NIST).

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Authorization: Myriam Kepura
Calibration Technician

Date: 31-Mar-2025

FARO Europe GmbH - Lingwiesenstr. 11/2 - D 70825 Korntal-Münchingen - Germany
Tel: +49 7150 9797-400 - Fax: +49 7150 9797-9400 - support.emea@faro.com - www.FARO.com