

Calibration Certificate

Model: Focus Premium Max

Serial Number: LLS092534704

Certificate Number: LLS34704-20251030-EU

Certification Date: 30-Oct-2025

Measurement Items Used, Traceable to National Standards

Laser Tracker

Model: Vantage E

Serial No.: V20003706753

Cert. No.: V06753-07102025

Cert. Date: 7-Oct-2025

Reflectance Targets

Model: CalibLine Target90

Serial No.: 7397

Cert. No.: 25040904

Cert. Date: 9-Apr-2025

Model: CalibLine Target10

Serial No.: 7395

Cert. No.: 25040903

Cert. Date: 9-Apr-2025

Power meter

Model: XLP12-3S-H2-INT-D0

Serial No.: 263909

Cert. No.: 263909-241219

Cert. Date: 18-Dec-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	ZK7	10 m	2,52628	0,20	2,52682	0,53	1,5	2,0	pass
ZK6	ZK8	10 m	2,59030	0,20	2,58958	-0,72	1,5	2,0	pass
ZK9	ZK10	25 m	5,15741	0,20	5,15738	-0,02	1,5	2,0	pass

Ranging Noise

Reflectance	Distance	Uncertainty, k=1 [mm]	Scanner	Specifications	Result
90%	10 m	0,067	0,1	0,1	pass
	25 m	0,067	0,1	0,2	pass
10%	10 m	0,067	0,1	0,3	pass
	25 m	0,067	0,2	0,4	pass
2%*	10 m	0,067	0,3	0,7	pass
	25 m	0,067	0,7	1,2	pass

* All measurements were performed with a nominal laser output power of 20% of the standard laser output power using the calibrated 10% reflectance targets. The exact output powers were measured with the calibrated power meter.

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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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Date: 30-Oct-2025

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