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Calibration Certificate

Model: Focus S 70Serial Number: LLS081813721Certificate Number: LLS13721-20250404-EUCertification Date: 4-Apr-2025

Measurement Items Used, Traceable to National Standards

Laser Tracker

Model: Vantage ESerial No.: V20003706753Cert. No.: V06753-23102024Cert. Date: 23-Oct-2024

Reflectance Targets

Model: CalibLinge Target90Serial No.: CTE01145Cert. No.: 24112504Cert. Date: 25-Nov-2024Model: CalibLine Target10Serial No.: CTE01147Cert. No.: 24112505Cert. Date: 25-Nov-2024Model: 0025-Target2Serial No.: CTE01974Cert. No.: 24112506Cert. 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	ZK7	10 m	2,52616	0,20	2,52643	0,27	1,5	2,0	pass
ZK6	ZK8	10 m	2,59029	0,20	2,58972	-0,57	1,5	2,0	pass
ZK9	ZK10	25 m	5,15740	0,20	5,15682	-0,58	1,5	2,0	pass

Ranging Noise

Reflectance	Distance	Uncertainty, k=1 [mm]	Scanner	Specifications	Result
90%	10 m	0,067	0,07	0,30	pass
	25 m	0,067	0,13	0,30	pass
10%	10 m	0,067	0,23	0,40	pass
	25 m	0,067	0,45	0,50	pass
2%	10 m	0,067	0,58	1,30	pass
	25 m	0,067	1,36	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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