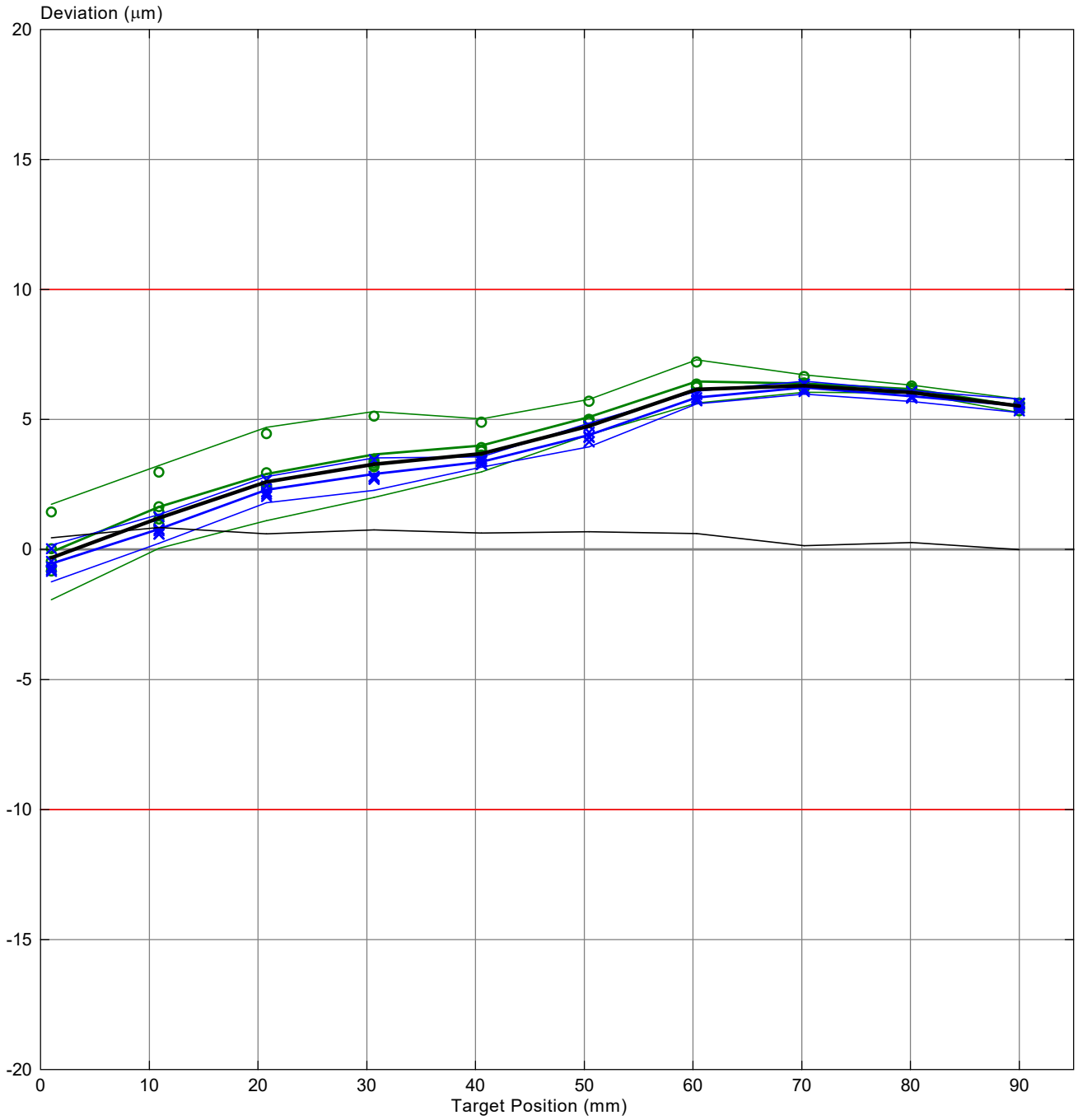
Linear - Measurement Axis: Z



Forward Data Runs — Forward Mean — Forward +/-n sigma — Reverse Data Runs
Reverse Mean — Reverse +/-n sigma — Combined Mean — Limit Lines
Backlash / pt.

Numerical Analysis

Standards:	ISO 230-2 2014 (Modified)
Error Sign Convention:	Algebraic
Coverage Factor (Sigma):	2
Accuracy:	A = 9.2 µm
	A↑= 9.2 µm
	A↓= 7.7 µm
Sys. Dev. Pos.:	E = 7.0 µm
	E↑= 6.6 µm
	E↓= 6.8 µm
Mean Bidir. Pos. Dev.:	M = 6.6 µm
Repeatability:	R = 3.7 µm
	R↑= 3.7 µm
	R↓= 1.4 µm
Max Reversal Error:	B = 0.8 µm
Mean Reversal Error:	$\overline{B}$ = 0.5 µm

Machine Information

Name of Inspector:	Henrique
Machine Name:	Test setup
Machine Serial No.:	
Location:	Mechatronics Lab
Date of Test:	07.09.2026 10:02:27
Current Date:	20.10.2026 13:02:54
Filename:	OWIS_stageTR_Electronics...
Comments:	

TR-Electronics
EL5042_DC
ED7062_CSV
ClosedLoop
S-Curve
100 microns step before position

Environmental Data

	Max	Min	Mean
AT (°C)	21.88	21.86	21.87
AP (mmHg)	738.7	738.3	738.6
RH (%)	53	53	53
MT1 (°C)	22.13	22.11	22.12
MT2 (°C)	21.87	21.84	21.86
MT3 (°C)			

Expans. Coeff.: 11.7 ppm/°C