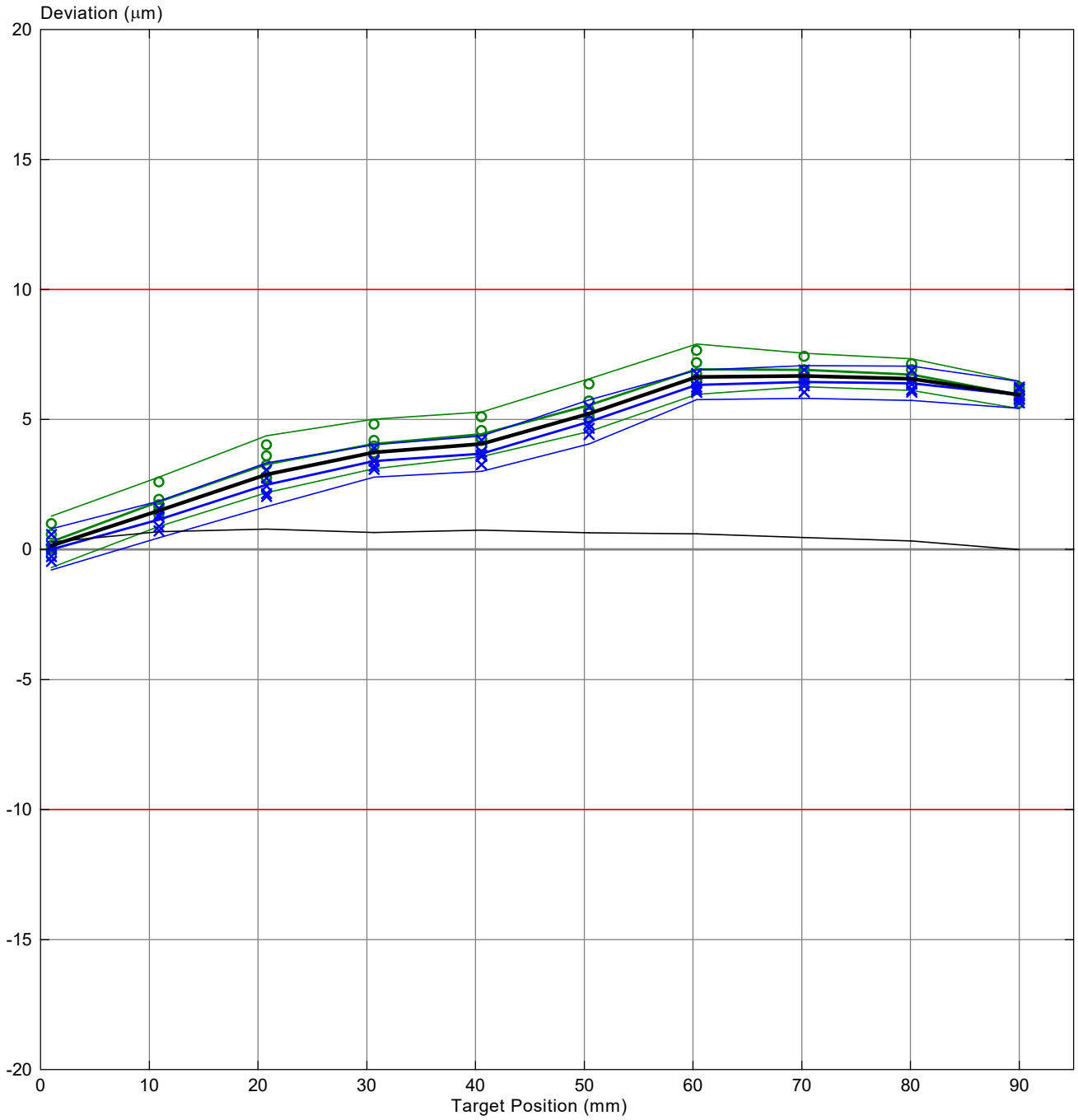
Linear - Measurement Axis: Z



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 = 8.7 µm
	A↑= 8.6 µm
	A↓= 7.9 µm
Sys. Dev. Pos.:	E = 6.9 µm
	E↑= 6.6 µm
	E↓= 6.4 µm
Mean Bidir. Pos. Dev.:	M = 6.5 µm
Repeatability:	R = 2.7 µm
	R↑= 2.2 µm
	R↓= 1.7 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 11:32:19
Current Date:	20.10.2026 13:01:45
Filename:	OWIS_stageTR_Electronics...
Comments:	

TR-Electronics
EL5042_DC
ED7062_CSP
ClosedLoop
S-Curve
100 microns step before position

Environmental Data

	Max	Min	Mean
AT (°C)	22.06	22.03	22.05
AP (mmHg)	738.2	738.1	738.2
RH (%)	54	53	54
MT1 (°C)	22.28	22.25	22.26
MT2 (°C)	22.07	22.05	22.06
MT3 (°C)			

Expans. Coeff.: 11.7 ppm/°C