

Robot Station Measurement Protocol

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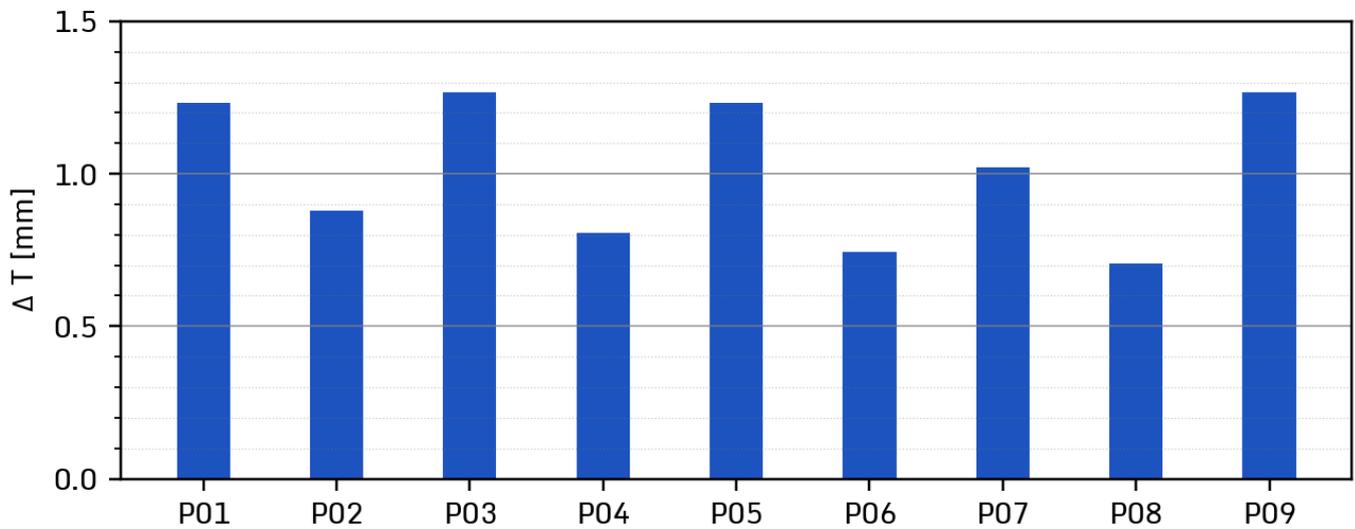
BASE Results

	X [mm]	Y [mm]	Z [mm]	Q1	Q2	Q3	Q4	ERR
Measured base	2028.930	3523.259	-1840.516	-0.704005	0.000081	-0.000394	0.710195	1.018
Offline base	2000.000	3500.000	-1840.000	-0.707000	0.000000	0.000000	0.707000	
Difference	28.930	23.259	-0.516	0.002995	0.000081	-0.000394	0.003195	

TCP Result

	X [mm]	Y [mm]	Z [mm]	Q1	Q2	Q3	Q4	ERR
Measured TCP	382.953	-1.534	256.708	1.000000	0.000000	0.000000	0.000000	1.018
Offline TCP	380.000	-1.000	255.000	1.000000	0.000000	0.000000	0.000000	
Difference	2.953	-0.534	1.708	0.000000	0.000000	0.000000	0.000000	

Individual Error Diagram



MEASUREMENT SYSTEM
FARO

MODEL
Measuring Arm

SERIAL NUMBER
F04-02-11-26923

CALIBRATION DUE DATE
16.06.2026

ROBOT SYSTEM
ABB

PRODUCTION LINE
FA42

STATION AND ROBOT
080GST011

ROBOT SN
2600-111830

COMPANY	LOCATION	PROJECT NO.	CLIENT	MEASUREMENT PROTOCOL NO.	DATE
RobRent W.S.	Universe	1925485L13	CarMarket_Leader	RobRent W.S._20260110_6	10.01.2026

Collected data

	X [mm]	Y [mm]	Z [mm]	Q1	Q2	Q3	Q4
RP1	1766.810	795.730	96.500	0.756232	-0.642775	0.010733	0.121817
RP2	1553.630	117.100	-257.150	0.191097	0.015087	0.980942	0.031733
RP3	2262.060	113.150	20.420	0.557471	0.192403	0.721349	-0.363130
RP4	1472.170	-1547.590	-228.810	0.139650	0.685402	0.714546	-0.012062
RP5	2567.950	-793.000	1143.470	0.120840	0.723370	0.672285	-0.100824
RP7	2494.510	987.260	1156.250	0.079587	0.586132	0.806293	-0.002685
RP8	954.750	1481.800	1181.810	0.715474	-0.209197	0.630794	0.215484
RP9	1263.490	158.620	1181.810	0.441354	-0.573808	0.439548	0.531741
RP10	1936.390	-540.960	-289.850	0.061695	0.690432	0.720387	0.023232
MP1	2410.691	94.538	1918.583				
MP2	3382.461	-704.163	1203.752				
MP3	3646.208	316.010	1471.531				
MP4	4755.260	-478.910	1284.031				
MP5	4026.129	603.673	2622.986				
MP7	2194.739	398.206	2693.692				
MP8	1884.279	-808.038	2672.749				
MP9	3133.878	-776.870	2629.994				
MP10	3696.119	-45.385	1276.164				

Each Direction Individual Error

	dX [mm]	dY [mm]	dZ [mm]	ΔT [mm]
P1	-0.924	0.815	0.082	1.235
P2	0.683	-0.523	-0.180	0.879
P3	-1.020	0.516	0.551	1.269
P4	0.784	0.172	0.065	0.805
P5	-0.535	0.650	-0.900	1.232
P6	-0.579	0.389	-0.260	0.744
P7	0.369	-0.952	0.030	1.021
P8	0.538	-0.008	0.459	0.707
P9	0.683	-1.059	0.153	1.269

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MEASUREMENT TECHNICIAN

Thomas Müller

SIGN