

2025



Vermessungscode: AUT 25 003 RS (re-measured AUT 20 001 RS)

Dipl.-Ing. Reinhard Sachs

# MEASUREMENT REPORT – (17. WILHELMSBURG STADTLAUF )

**Name of the race:** 13. Wilhelmsburg Stadtlauf

**Race Distance:** 5km bzw. 10km (Hauptlauf)

**Date of the event:** 25. Juli 2025

**Race Director:** Dörflinger Günther, [wilhelmsburgerstadtlauf@gmx.at](mailto:wilhelmsburgerstadtlauf@gmx.at)

**Type of the course:**

5km – circuit  
10km – circuit

**Place to Start:** Stadtpark 1, 3150 Wilhelmsburg

**Place to Finish:** Stadtpark 1, 3150 Wilhelmsburg

**Name of measurer:** Dipl.-Ing. Reinhard Sachs, [reinhard.sachs@gmx.at](mailto:reinhard.sachs@gmx.at), +43 676 6308507

**Date of Measurement:** 26.04.2025, 19:00, 13°C

**Type of Terrain:** FLAT

**Altitude:** START: 336m; HIGHEST: 336m; LOWEST: 336m; FINISH: 336m

**Separation:** 0m

## Calibration course (Bretschneiderstraße)



**Length of the calibration course:** 200m (same calibrations course as AUT 20 001RS)

**Date and temperature:** 26.4.2025, 13°

**Measurement:** steel tape, 50 meters

$$4 \times 50 = 200m$$

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$$200 + 200 = 400m$$

**average length:**  $400 : 2 = 200m$

**Corrected average length:**  $200 \times [1 + (13 - 20) \times 0.0000115] = 199.9839 \approx 199.98 m$

=> add 2cm to Point 1



**Pre-calibration**

	<i>recorded count</i>	<i>elapsed count</i>
<i>Start count</i>	46600	
<i>End 1st ride</i>	48861	2261
<i>End 2nd ride</i>	51122	2261
<i>End 3rd ride</i>	53383	2261
<i>End 4th ride</i>	55644	2261
<b>average counts:</b>		2261

*Counts per meters (200m)*  
*Counts per meters (200m) with 1 ‰*

11,305  
 11,316

**Post-calibration**

	<i>recorded count</i>	<i>elapsed count</i>
<i>Start count</i>	95900	
<i>End 1st ride</i>	98162	2262
<i>End 2nd ride</i>	100424	2262
<i>End 3rd ride</i>	102685	2261
<i>End 4th ride</i>	104947	2262
<b>average counts:</b>		2261,75

*Counts per meters (200m)*  
*Counts per meters (200m) with 1 ‰*

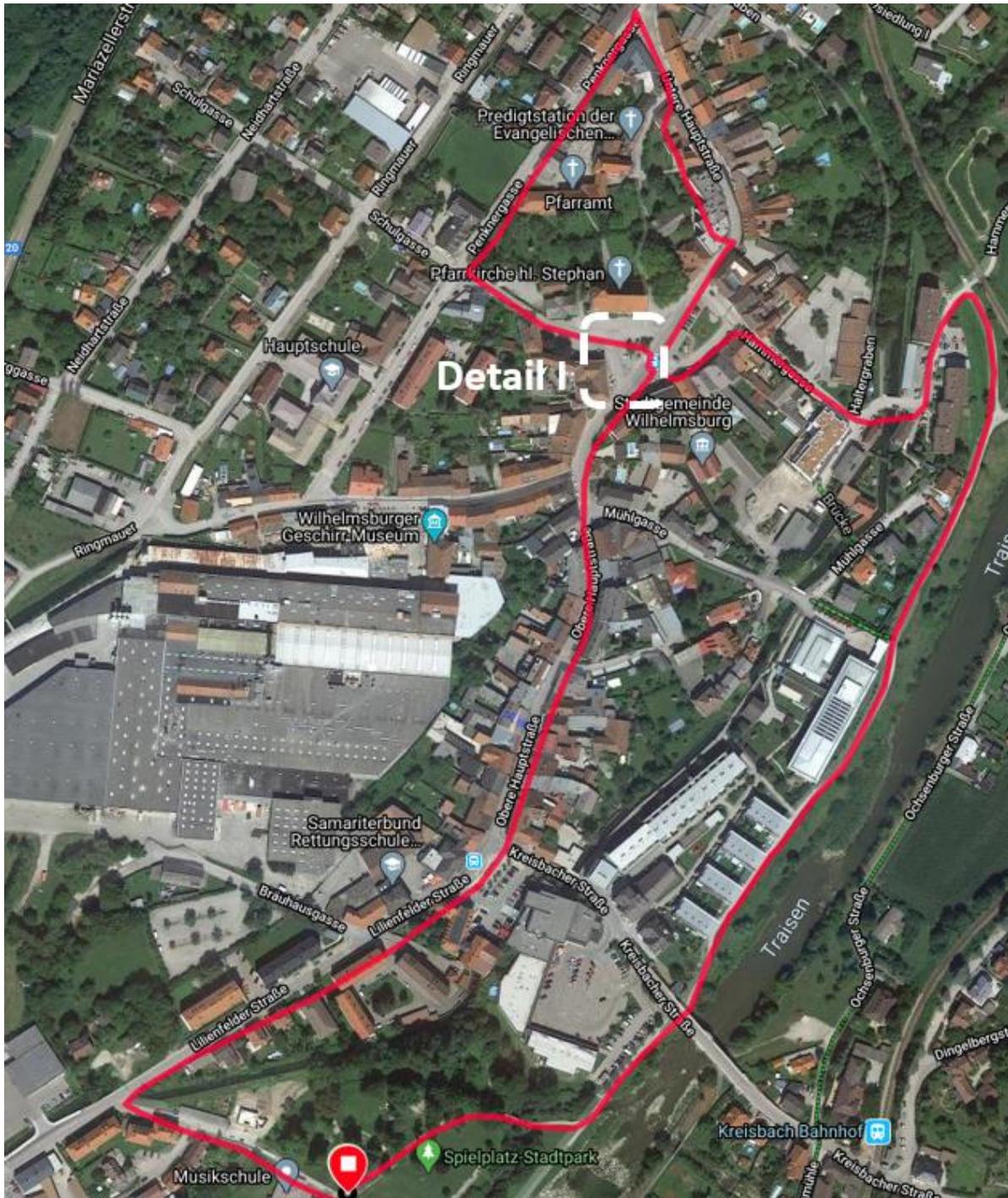
11,30875  
 11,320

Working constant for that day

**11,318** counts per meter

## 5km bzw. 10km course

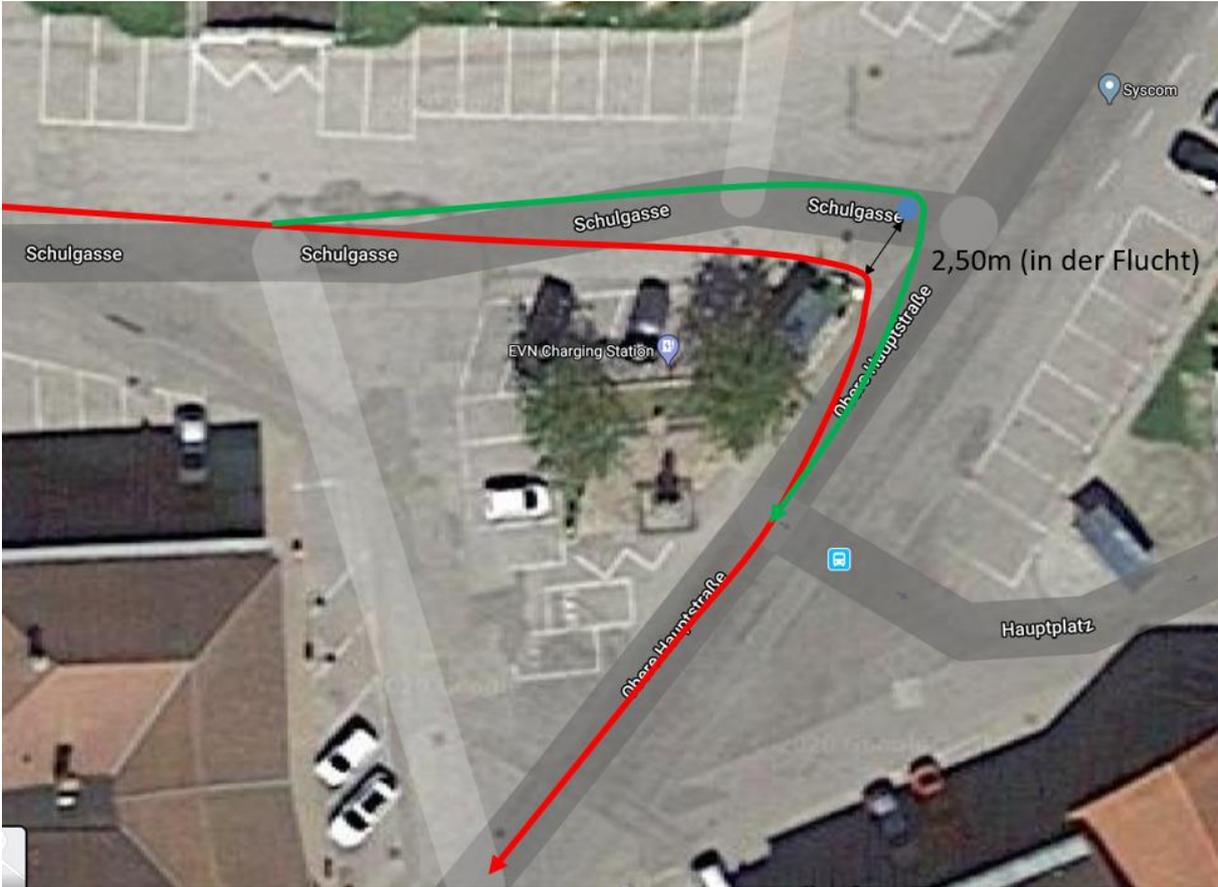
Short overview (2,5km each round)



Measured point	Counter reading	counts	distance [m]
Start/finish line	59700		
Start/finish line	88010	28310	2501,285
		sum	2501,285 m

The course should be 2500m long. Re-measurement is matching. Detail I will stay as before.

**Detail I**



Green course – as measured

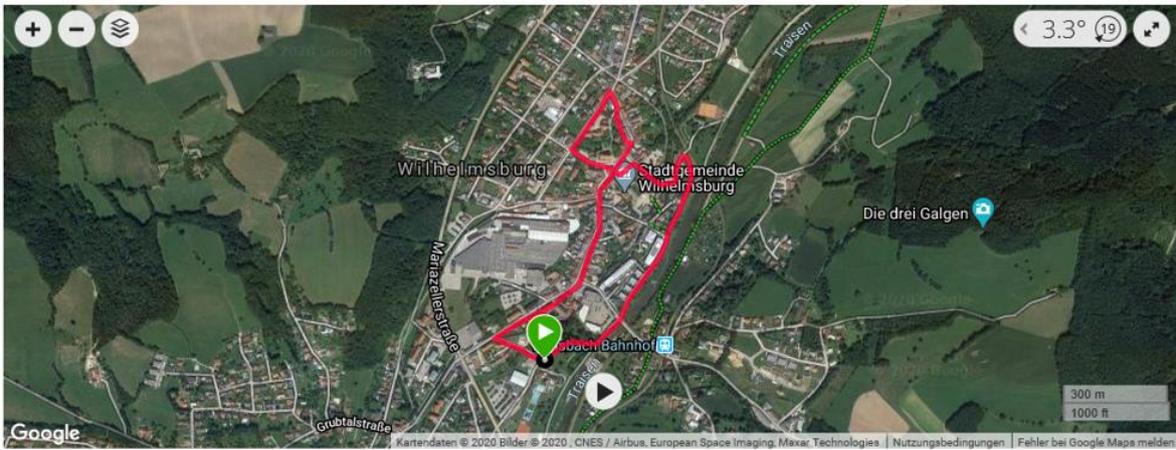
## Detail from Garmin (GPS)

2.50 km  
Distanz

14:34  
Zeit

10.3 km/h  
Ø Geschwindigkeit

4 m  
Positiver Höhenunterschied



Zeit Distanz

● Höhe

400



## Children course (400m)



<i>Measured point</i>	<i>Counter reading</i>	<i>counts</i>	<i>distance [m]</i>
<i>Start/finish line</i>	87600		
<i>Start/finish line</i>	92130	4530	400,241
		sum	<b>400,241</b>

The course should be 400m long. The green line shows the measured course.