

Measurement report

Tallinn Women's Run – LHV Maijooks

21,1 km

GENERAL INFORMATION

Name of event: Tallinn Women's Run – LHV Majjooks

City/Town: Tallinn

Country: Estonia

Advertised race distance: 21097,5 m

Race date: 17.05.2026

Race director: Mati Lilliallik

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Name of measurement team leader: Karen Aau, B grade measurer

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Type of terrain (Flat/Undulating/Hilly): flat

Type of course (Loop/Lap/Point to Point/Out & Back): lap

Race surface: asphalt

Separation: 0%

Altitude:

Start – 6,5 m, Finish 6,5 m

Highest point – 32 m, Lowest point – 4 m

Difference in elevation highest > lowest point – 28 m

Section of road available: entire width of road

DETAIL OF THE CALIBRATION COURSE

Date: 01.08.2022

Location of calibration course: pathway at Kõrgepinge street near Paldiski road

Measure method: steel taped

Number of measurements: 2

Markers: nails

Start time: 11:30

Finish time: 12:00

Temperature: *Start* +19°C, *Finish* +19°C, *Average* +19°C

MEASUREMENTS AND CALCULATIONS:

1 First measurement.

6		49,9 m		0,6 m		300 m
# tape lengths	x	distance per tape length	+	partial tape length	=	Measured distance

2 Second measurement.

6		49,9 m		0,612		300,012 m
# tape lengths	x	distance per tape length	+	partial tape length	=	Measured distance

3 Average raw (uncorrected) measurement of course: 300,006_m

4 Temperature correction.

$$\text{Correction factor} = 1 + (0.0000116 \times [19 - 20]) = 0,9999884$$

5 Multiply the temperature correction factor by the average raw measurement of the course

0,9999884		300,006		300,0025199 m
correction factor	x	avg. raw measurement	=	corrected measurement

6 Final (adjusted) length of calibration course: 300 m

$$300,0025199 \text{ m} - 0,0025199 \text{ m} = 300 \text{ m}$$

Summary: To get 300 m length calibration course, divorced 2,5 mm with steel tape.

BICYCLE CALIBRATION DATA SHEET

PRE-CALIBRATION:

Day: 09.04.2026

Time: 11.58

Temperature: +1°C

Start count	Finish count	Difference
770685	773981	3296
773981	777277	3296
777277	780573	3296
780573	783869	3296

Pre-measurement average count = $(3296+3296+3296+3296) / 4 = 3296$

Counts per km = $3296 \times 1000 / 300 = 10986,66666$

Working Constant = $10986,66666 \times 1,001 / 1000 = 10,99765332 \text{ c/m}$

POST-CALIBRATION:

Day: 09.04.2026

Time: 16.25

Temperature: +1°C

Start count	Finish count	Difference
931920	935216	3296
935216	938512	3296
938512	941808	3296
941808	945104	3296

Pre-measurement average count = $(3296+3296+3296+3296) / 4 = 3296$

Counts per km = $3296 \times 1000 / 300 = 10986,66666$

Working Constant = $10986,66666 \times 1,001 / 1000 = 10,99765332 \text{ c/m}$

CONSTANT FOR THE DAY = $(10,99765332 + 10,99765332) / 2 = 10,99765332 \text{ c/m}$

COURSE MEASUREMENT DATA SHEET

21,1 km

reading	counts	distance	adj.dist	location
<i>Measured in running direction, 09.04.2026, c=10,99765332 c/m</i>				
883966	0	0.0 m	0.0 m	S / F manhole cover land side edge (detailed sketch attached)
910344	26378	2398,5 m	0.0 m	P1 – No pedestrians sign post on the right, before the Selver sign
<i>Measured in running direction, 09.04.2026, c=10,99765332 c/m</i>				
812893	0	2398,5 m	0.0 m	P1 – No pedestrians sign post on the right, before the Selver sign
857309	44416	6437,2 m	0.0 m	P2 – 2nd lamp post right hand after entering gate
<i>--- adjustment here adds 121 counts c=10,99765332 c/m =11 m ---</i>				
857309	0	6437,2 m	0.0 m	P2 – 2nd lamp post right hand after entering gate
865018	7709	7138,2	7149,2	P3 – lamp post left hand before the curve
867480	2462	7362,1 m	7373,1 m	S / F manhole cover land side edge (detailed sketch attached)
<i>Measured in running direction, 09.04.2026, c=10,99765332 c/m</i>				
786203	0	7362,1 m	7373,1 m	S / F manhole cover land side edge (detailed sketch attached)
812893	26690	9789 m	9800 m	P1 – No pedestrians sign post on the right, before the Selver sign
857309	44416	13827,7 m	13838,7 m	P2 – 2nd lamp post right hand after entering gate
<i>Measured in running direction, 09.04.2026, c=10,99765332 c/m</i>				
870048	0	13827,7 m	13838,7 m	P2 – 2nd lamp post right hand after entering gate
871947	1899	14000,4 m	14011,4 m	P3 – lamp post left hand before the curve
<i>Measured in running direction, 09.04.2026, c=10,99765332 c/m</i>				
865018	0	14000,4 m	14011,4 m	P3 – lamp post left hand before the curve
867480	2462	14224,3 m	14235,3 m	S / F manhole cover land side edge (detailed sketch attached)
<i>Measured in running direction, 09.04.2026, c=10,99765332 c/m</i>				
786203	0	14224,3 m	14235,3 m	S / F manhole cover land side edge (detailed sketch attached)
812893	26690	16651,1 m	16662,2 m	P1 – No pedestrians sign post on the right, before the Selver sign
857309	44416	20689,9 m	20700,9 m	P2 – 2nd lamp post right hand after entering gate
<i>Measured in running direction, 09.04.2026, c=10,99765332 c/m</i>				
870048	0	20689,9 m	20700,9 m	P2 – 2nd lamp post right hand after entering gate
871947	1899	20862,6 m	20873,6 m	P3 – lamp post left hand before the curve
<i>Measured in running direction, 09.04.2026, c=10,99765332 c/m</i>				
865018	0	20862,6 m	20873,6 m	P3 – lamp post left hand before the curve
867480	2462	21086,5 m	21097,5 m	S / F manhole cover land side edge (detailed sketch attached)

Note any adjustments made to the course after measurement:

1 st lap, between P2 – P3 (added 11m with bicycle).

CALIBRATION COURSE – 300 m



COURSE



START / FINISH LINE

