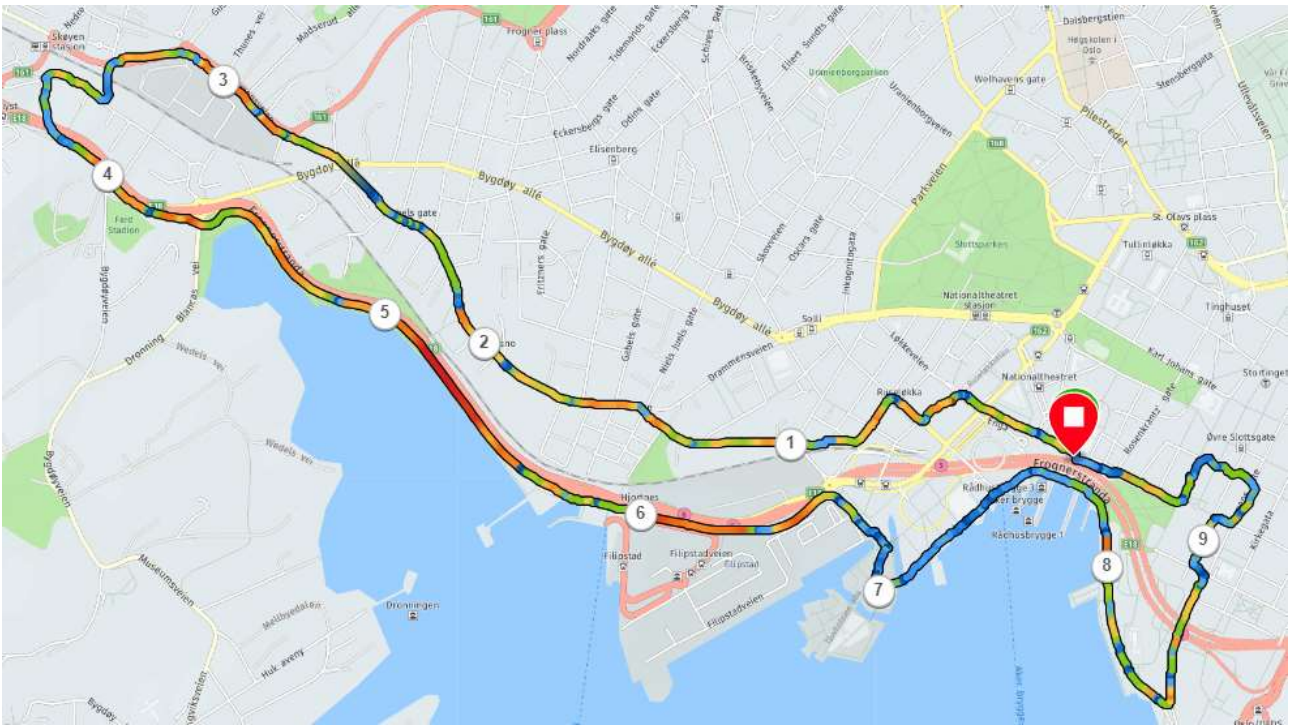


COURSE MEASUREMENT

Oslo Marathon 2022 – 10 km course



SUMMARY SHEET

EVENT: *Oslo Marathon 2022 – 10 km course*

LOCATION: *Oslo, Norway*

DATE: *17 September 2022*

Promoting Organisation: *Sportsklubben Vidar*

Name & Address of race director: *Tim Bennett*

Email: tim.bennett@telia.no

Distance: *The course is not less than 10,000 m*
Measured by *Peer Jensen, Denmark*

Date: *27 August 2022, 20:00-22:00*

Measurement method: *Jones counter mounted on bicycle wheel*

Elevation, if not same, of: *START 0 m FINISH 0 m*
Distance, in a straight line, between start & finish: *20 m*

Description of the Course

Terrain: *little hilly*

Race surface: *tarmac roads*

Course configuration: *point to point*

Start point: *“Rådhuspladsen” outside Oslo Town Hall at middle port*

Finish line: *“Rådhuspladsen” outside Oslo Town Hall 20 m before middle port*

Measurement Details

Section of road available: *The whole road is available for the runners, except from Drammensveien, where only right part may be used until Bygdøy Allé and only left part may be used from Bygdøy Allé to Karenslyst Allé where only right side may be used.*

Line to be taken at turns: *Shortest possible route.*

SIGNED: ... *Peer Jensen* DATE: *2022-09-05*

STEEL TAPING DATA

EVENT: *Oslo Marathon 2022 – 10 km course*

LOCATION: *Oslo, Norway*

DATE: *17 September 2022*

For measuring a calibration course

Name of calibration course: Akerhusstranda

City/town and State: Oslo, Norway

Date: 27 August 2022

Start time: 19:15

Finish time: 19:30

Pavement temperature: Start 20 °C Finish 20 °C Average 20 °C

Measurements and calculations:

First measurement. 6 x 50.00 m = 300.00 m

Second measurement. 6 x 50.00 m = 300.00 m

Average raw (uncorrected) measurement of course: 300.00 m

No temperature correction.

Final length of calibration course 300.00 m

Calibrations

Pre-measurement

Date/Time 27 August 2022 19:45

Temp. 20 °C

Start	End	Reading
01000	04621	3621
04600	07222	3622
07200	10822	3622
10800	14121	3621

Average 3621.50

Working Constant 12071.67 km
+ 1 ‰ 12.07/km

Pre-measurement constant 12083.74/km

Post-measurement

Date/Time 27 August 2022 22:00

Temp 20 °C

Start	End	Reading
41600	45225	3625
45200	48824	3624
48800	52425	3625
52400	56024	6324

Average 3624

Working Constant 12080.00/km
12.08/km

Post-measurement constant 12092.08/km

Measurement working constant: **12084/km**

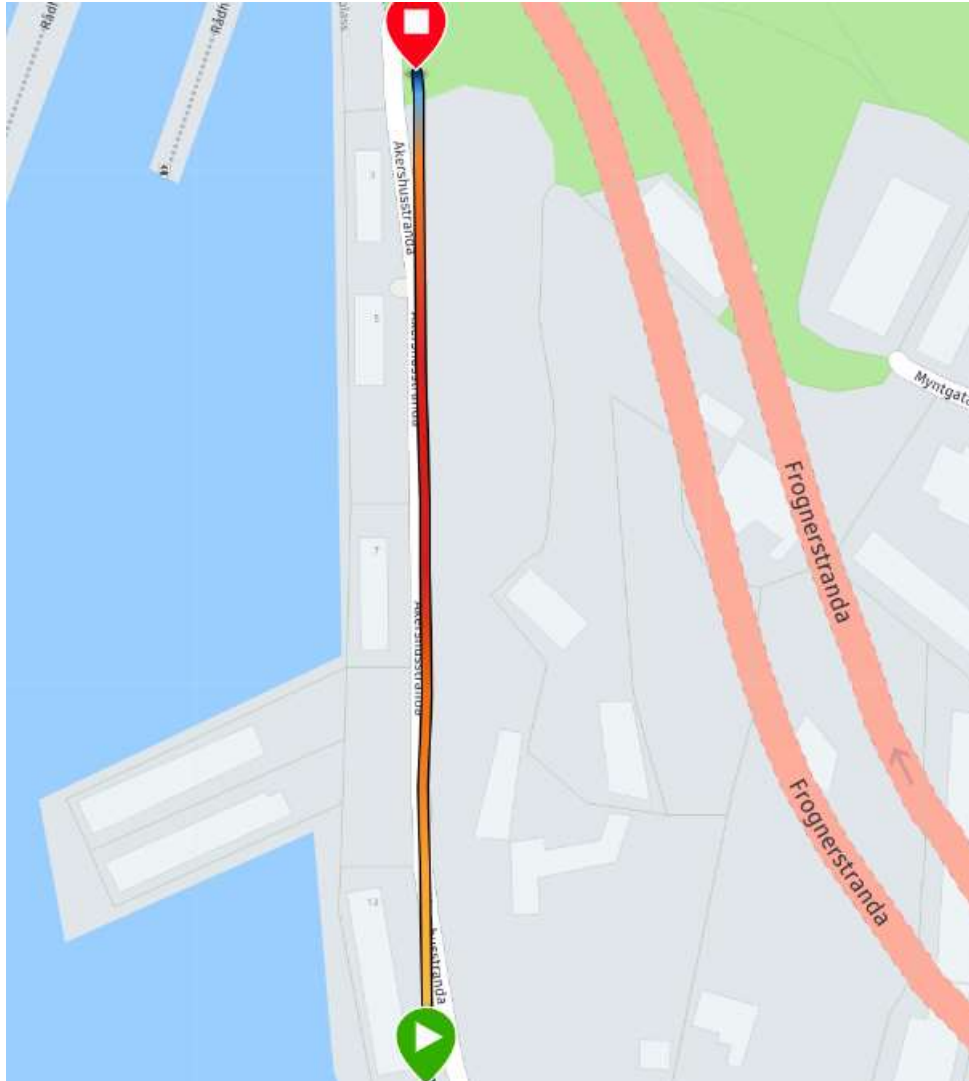
Constant for the Day (average): **12088/km**

CALIBRATION COURSE MAP

EVENT: *Oslo Marathon 2022 – 10 km course*

LOCATION: *Oslo, Norway*

DATE: *17 September 2022*



Calibration course 300 metres

North point of calibration course is about 200 m from start and finish area.

MEASUREMENT PROCEDURE

EVENT: *Oslo Marathon 2022 – 10 km course*

LOCATION: *Oslo, Norway*

DATE: *17 September 2022*

Measurement working constant: **12084**

Measurement constant for the day **12088**

Measurement of the course:

Measurement was done in the running direction – from the start line.

We stopped every kilometre, marked with spray, and described the points

12:00

Counter	Counts	Distance	Fix point
18500	0	0.00 m	Middle port outside Oslo Town Hall.
30584	12084	1,000.00 m	Munkedamsveien at first left tree
42668	12084	2,000.00 m	Port outside Embassy of Egypt
54752	12084	3,000.00 m	Drammensveien, at lamppost at green area
66836	12084	4,000.00 m	Bicycle path at zebra crossing
78920	12084	5,000.00 m	25 m before big DFDS sign
91004	12084	6,000.00 m	1 m after grating after start of bridge
03088	12084	7,000.00 m	3 m before Selmer shop
15172	12084	8,000.00 m	Akerhusstranda at parking space 2
27256	12084	9,000.00 m	Middle of short paving stone area
38962	11706	9,969.75 m	Wanted finish line 20 m before start line
39206	244	9,990.00 m	Middle port outside Oslo Town Hall

Conclusion: With the constant for the day 12088 10 km course is $(138962-18500)/12,088 = 9,965.50$ m. We found 35 m next day by measuring 18 m from the left turn Akerhusstranda-Kongens gate to a turning point at Akerhusstranda after 8.5 km. Turning point is at sign “Vippetangen” clearly marked with spray

MAP of start and finish area

EVENT: *Oslo Marathon 2022 – 10 km course*

LOCATION: *Oslo, Norway*

DATE: *17 September 2022*

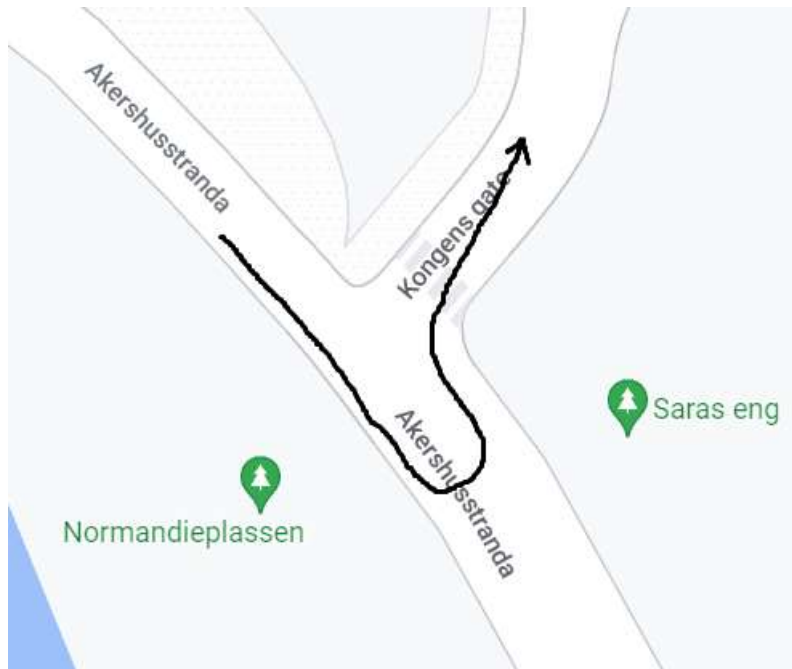


Start line (middle port "Oslo Rådhus")

Finish line (20 m before start line)

MAP of turning point after 8.5 km

EVENT: *Oslo Marathon 2022 – 10 km course*
LOCATION: *Oslo, Norway*
DATE: *17 September 2022*



Turning point is at sign “Vippetangen” clearly marked with spray

MAP of the course

EVENT: *Oslo Marathon 2022 – 10 km course*

LOCATION: *Oslo, Norway*

DATE: *17 September 2022*

