

Course Measurement Protocol

KLADNO - MUNICIPAL STADIUM 1 KM COURSE

THE MEASUREMENT

The measurement was performed according to the IAAF rules, namely to provisions of the Rule 240 "Road races", par. 3, Note (i), saying *"For a course measurement the "Calibrated Bicycle Method" shall be used"*. The method is based upon a "Jones counter" mounted on a bicycle front wheel.

The measurement was carried out on June 30, 2017. During the measurement procedure the weather was warm, the air temperature at the beginning of the action at 11:00 a.m. was 26 °C, at the end of the work at 2:00 p.m. the temp. was 28 °C.

The race venue is the Municipal stadium "Sletiště" in the town Kladno, central Bohemia.

CALIBRATION COURSE

A 180 m course (the longest available straight track) was marked out on an asphalt road running behind the athletic track. The calibration course was measured by a steel tape. The course was covered four times, with two rides in each direction.

PRE-CALIBRATION

	counts	difference
start	40000	
1.	41740	1740
2.	43479	1739
3.	45219	1740
4.	46958	1739

Average count – 1739,5 points / 180 m constant $k_1 = 9,66389$ points/ 1 m

The SCPF coefficient (1,001) adding 1 m per each kilometre, was not used as it is not a new course but the very saame one as measured in 2011. The 2011 map incl. details (A,B) were used for this course remasurement.

THE COURSE

The course starts on the asphalt surface running along the main stands of the athletic stadium (where the star/finish gate shall be positioned). The course runs in a clock-wise direction turning left to an in-line approach track having the second turn of the athletic track on its right side. When passing the road with the calibration course the race course joins the in-line circuit. When returning back to the calibration circuit road (see detail A) it turns rather abruptly left and continues toward the start point of the calibration circuit. A wide curve (see detail B) turns the track right and the race course continues on a paved path having the first turn of the athletic track on its right side. At the end of the paved surface a right-angle turn brings the race course back toward the start/finish area.

Runners are not allowed to leave the asphalt and/or paved surface of the course..

The measured course is the very same as results from the measurements carried out on July 13, 2011. The turning points (see details A and B) were established according the 2011 plan and the said details A and B.

The course was measured as follows :

3.measurement	counts	difference	distance (m)	Note
start	70000			
finish	79676	9676		
finish	89343	9667	1000,32	Final value

The shorter value shall be taken as the proper length.

POST- CALIBRATION

	counts	difference
Start	10000	
1.	11739	1739
2.	13477	1738
3.	15216	1739
4.	16954	1738

Average value – 1738,5 bodů / 180 m - constant $k_2 = 9,65833$ points/ 1 m

CONSTANT of the DAY - $K = 0,5.(K_1 + K_2) = 9,66111$ points / 1 m

The corresponding course distance $D = 9671 : K = 1000,61$ m

The measurement confirms the official length of the course 1000,00 m

The measurement was performed and the certificate, incl. indication of the course on the venue map and details A and B showing additional adjustments to be made on the course, issued by

Vítězslav Žák,
member of the IAAF Grade B Panel of International Course Measurers

Appendix : course plan
details A, B