



SmartTracks

More than timing.

THE SMARTRACKS FAMILY

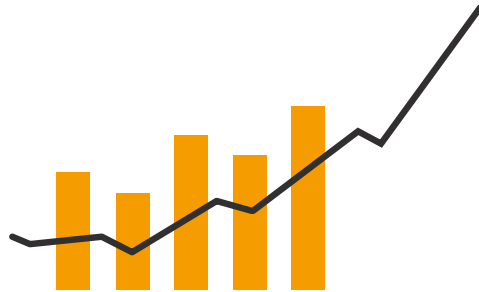
The SmarTracks product family offers professional athletes, coaches and ambitious sports enthusiasts the perfect solution for recording and documenting athletic performance.

What SmarTracks offers you:

- ◀ Performance diagnostics without complex technical setup
- ◀ Running data for any sports discipline
- ◀ Real-time timing results

Diagnostics System

SmarTracks Diagnostics offers professional and efficient performance diagnostics. Tailored to the individual training needs and goals of various sports, SmarTracks Diagnostics provides powerful support for speed, endurance and strength training. SmarTracks Diagnostics has the unique capacity of measuring different types of assessments using the same system. This means an athlete can perform runs, tap-pings, jumps and agility tests all in consecutive order, without having to change measuring equipment.

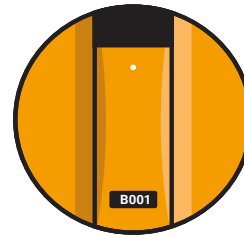


Timing System

Measure your runs with the Smart Run app, or connect to the DX5.0 sensor to receive high-quality timing and step data. The magnetic signal of our Timing Gates is picked up by the sensors and displayed in the Smart Run app. Through the wireless connection to the DX5.0 sensor, you can get results livestreamed to your smartphone during the run..



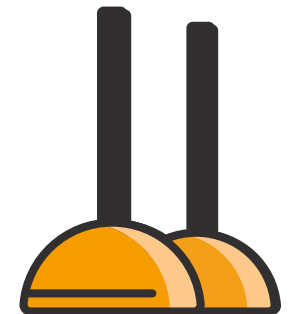
DX5.0 Sensor



The DX5.0 sensor is the centerpiece of the SmarTracks products. Worn on the lower back, the sensor records the passing of timing gates as well as all body motions with a 500Hz frequency. The data is displayed either in the Smart Run app or in the SmarTracks Diagnostics PC software. We offer a basic sensor, called the DX5.0 Timing, that can only be used with the Smart Run app.

Timing Gates

The SmarTracks Timing Gates are magnetic barriers that allow time measurement down to the 1/100s range. Our Timing Gates are durable and are characterized by their fast, uncomplicated setup. Combined with the wearable DX5.0 sensor, the Timing Gates enable high-resolution timing of performance tests, whether on the track or on the field.

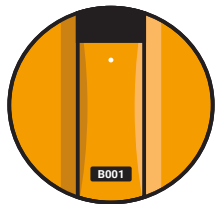


DIAGNOSTICS



SmarTracks Diagnostics allows you to efficiently and accurately measure relevant performance parameters in the areas of speed, endurance, and strength. Assessments are directly recorded with a high-tech, light-weight sensor, and are then analyzed and displayed in the Diagnostics PC software.

From the results of the tests you can create a comprehensive athletic profile, which can then help to work out an effective control of training and workload of the respective athlete!



250m

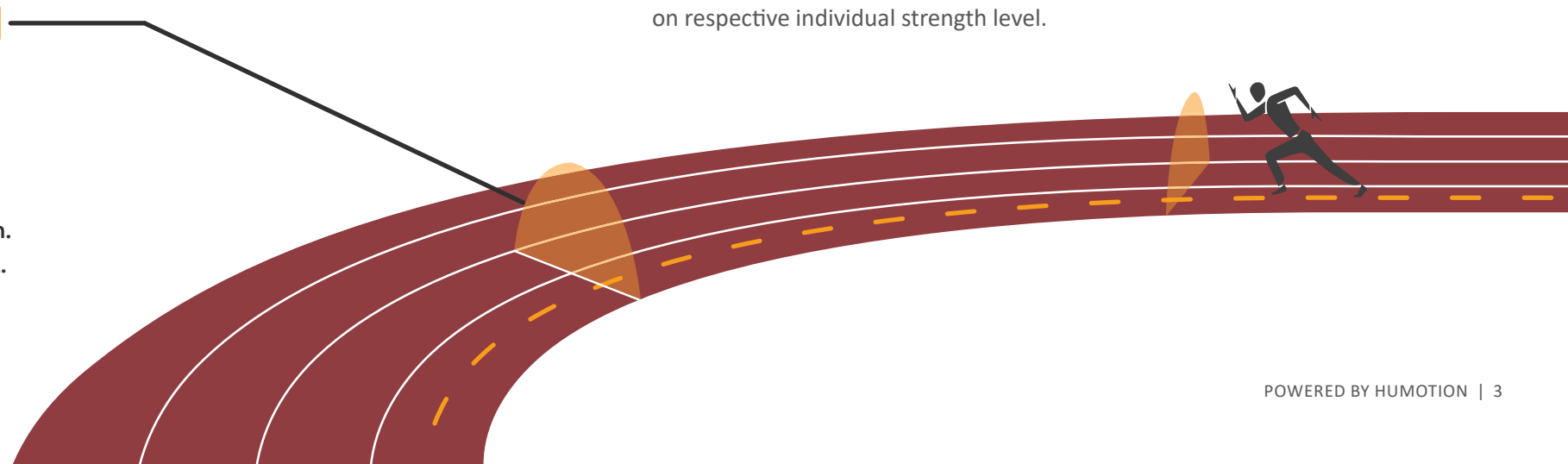
- Time
- Steps
- Speed
- Step length
- Steps per min.
- Steps per sec.

1. Speed

An athlete's ability to sprint is a performance-defining factor in many sports, especially in field sports or athletics. In conjunction with our Timing Gates, you can measure and analyze any distances and intervals. Distances can be measured down to 5m intervals. For example in the running disciplines, the interval parameters allow for the exit and entry of the curves to be considered more closely. Not only does Diagnostics provide you with accurate time tracking, but also other important parameters such as the step length, the number of steps and step frequency.

2. Tapping

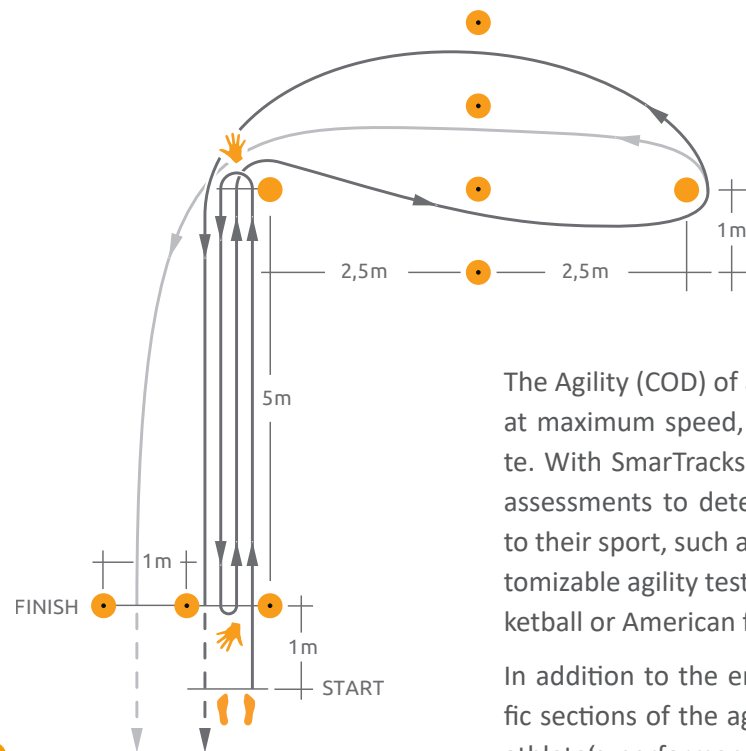
The tapping test is a test for determining cyclic speed. It is particularly suitable for the sighting of speed-force talents. SmarTracks Diagnostics captures the tapping frequency, which is the number of ground contacts per second measured in Hertz. The tapping performance depends on the one hand on coordinative performance and on the other hand on respective individual strength level.





4. Endurance

To test the endurance capabilities of athletes, SmarTracks Diagnostics includes the Cooper Test. The aim of the test is to run as far as you possibly can in 12 minutes. The test can be set up on a track with integrated Timing Gates, as well as with Timing Gates Mobile on any field of sufficient size.



3. Agility (COD)

The Agility (COD) of an athlete is his ability to change directions at maximum speed, including the ability to stop and accelerate. With SmarTracks Diagnostics we provide you with different assessments to determine the agility of your athletes specific to their sport, such as: 5-10-5 Shuttle, Illinois Agility Test, a customizable agility test, and more. Whether soccer, handball, basketball or American football, we offer a suitable test for it!

In addition to the end times, SmarTracks also measures specific sections of the agility test to give even more insight into an athlete's performance. For example, in the case of the Three Cone Drill, it is possible to differentiate in which area the athlete loses speed or shines particularly well.

5. Jumps

Explosive-fast and fast-paced actions are among the most important physical requirements for an athlete. Based on the jumping ability of an athlete you can gain feedback on the rapid-force capability of the leg muscles. With three different jump variants - Drop Jump, Countermovement Jump, Squat Jump - SmarTracks offers you the possibility to adjust tests individually to your sport and its requirements.

Parameters:

- ◀ **Jump height in cm**
- ◀ **Ground contact time for Drop Jumps**
- ◀ **Reactive Strength Index (RSI) for Drop Jumps**

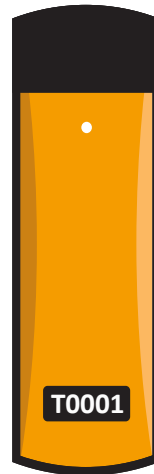
TIMING - SMART RUN



Measure with the DX5.0 Sensor

The DX5.0 sensor records all timing and step data and sends them to the Smart Run app. During a run, the DX5.0 sensor livestreams timing data, so that coaches can observe split times in realtime.

- ◀ Livestream timing data on your smartphone
- ◀ Provides both timing and detailed step information for splits.
- ◀ For short-, middle and long-distance runs, jump run-ups and specific agility tests.



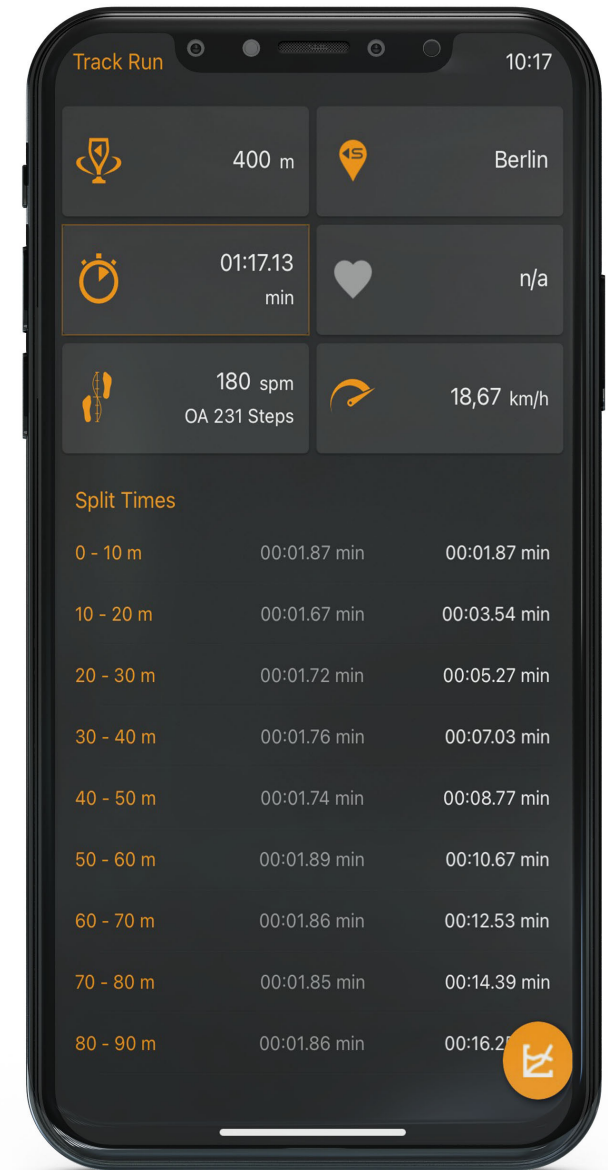
WEIGHS LESS THAN 15G

MEASURES UP TO 11 HOURS

MEASUREMENT FREQUENCY OF 500HZ

Measure with your smartphone sensors

If you have Timing Gates In-Ground you can time your runs with just the Smart Run app, without the DX5.0 sensor. Smart Run records all relevant running parameters with the help of the smartphone sensors and displays them directly in the app.



Get the Smart Run app now!



Mobile Gates or In-Ground

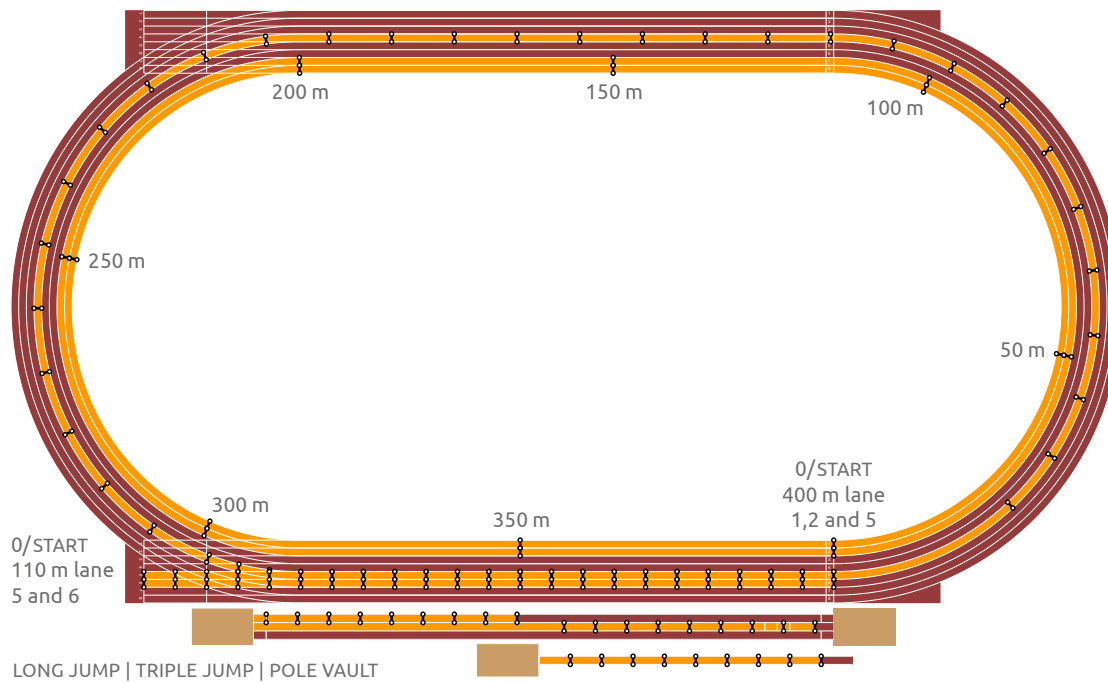
The Timing Gates exist in a mobile and an in-ground version. The Mobile Gates you can set up anywhere, without any electronics or sensitive equipment. Timing Gates In-Ground can be found at SmarTracks Locations, where they are permanently integrated into the ground and require no additional setup after the first installation.



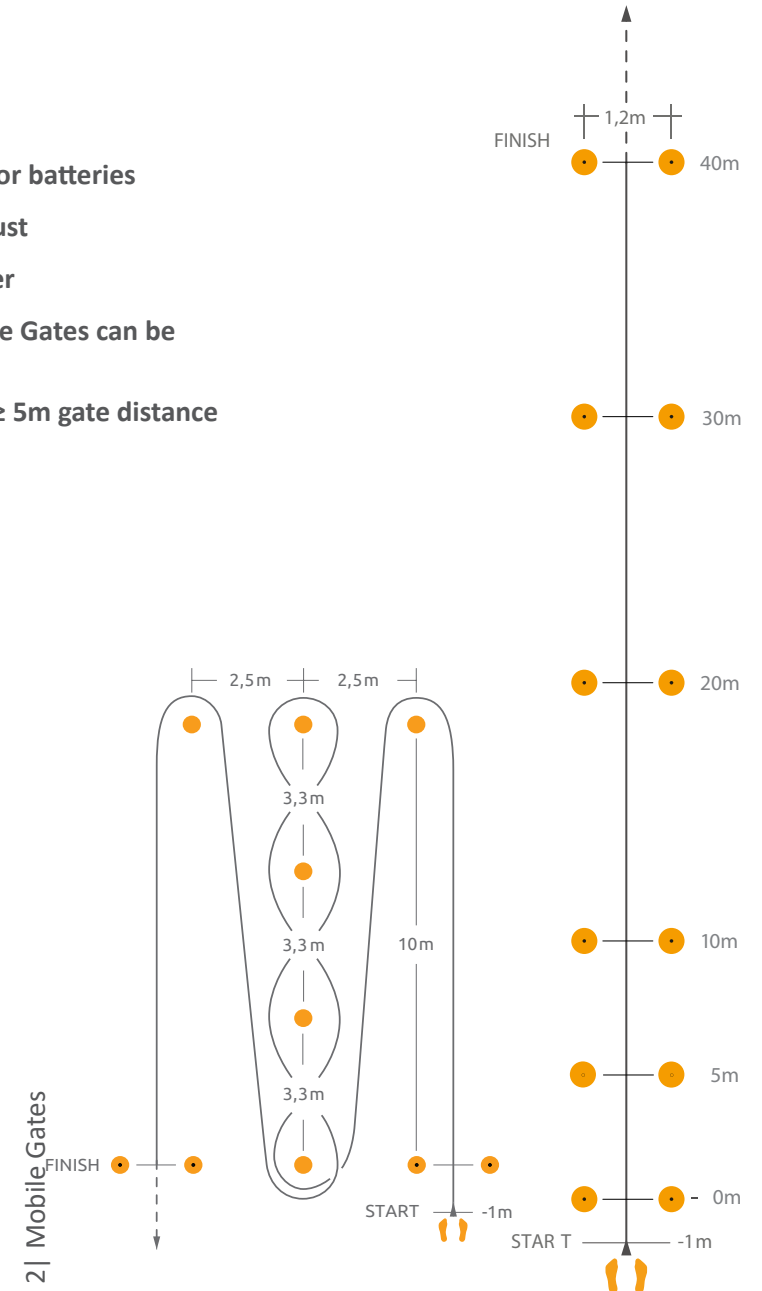
Check out exciting SmarTracks locations all around the world by following the QR code.

- ◀ No electronic wiring or batteries
- ◀ Long-lasting and robust
- ◀ Usable in any weather
- ◀ In-Ground and Mobile Gates can be combined
- ◀ Flexible setups with $\geq 5\text{m}$ gate distance

1 | In-Ground



2 | Mobile Gates



WHAT CAN I MEASURE WITH SMARTRACKS?



SHORT-, MIDDLE-, AND
LONG-DISTANCE RUNS

COOPER TEST

RUN-UPS



ILLINOIS AGILITY TEST

CUSTOM AGILITY TEST

ARROWHEAD AGILITY TEST

5-10-5 SHUTTLE

THREE CONE DRILL



DROP JUMP

COUNTERMOVEMENT JUMP

SQUAT JUMP



TAPPINGS