

A person is seen from the back, standing on a red running track. They are wearing a grey athletic singlet with a white vertical stripe on the back and a yellow circular marker on their lower back. They are also wearing a blue wristband on their left wrist and a white wristband on their right wrist. The background shows a blurred cityscape with trees and buildings under a bright sky.

# BUYER'S GUIDE 2021

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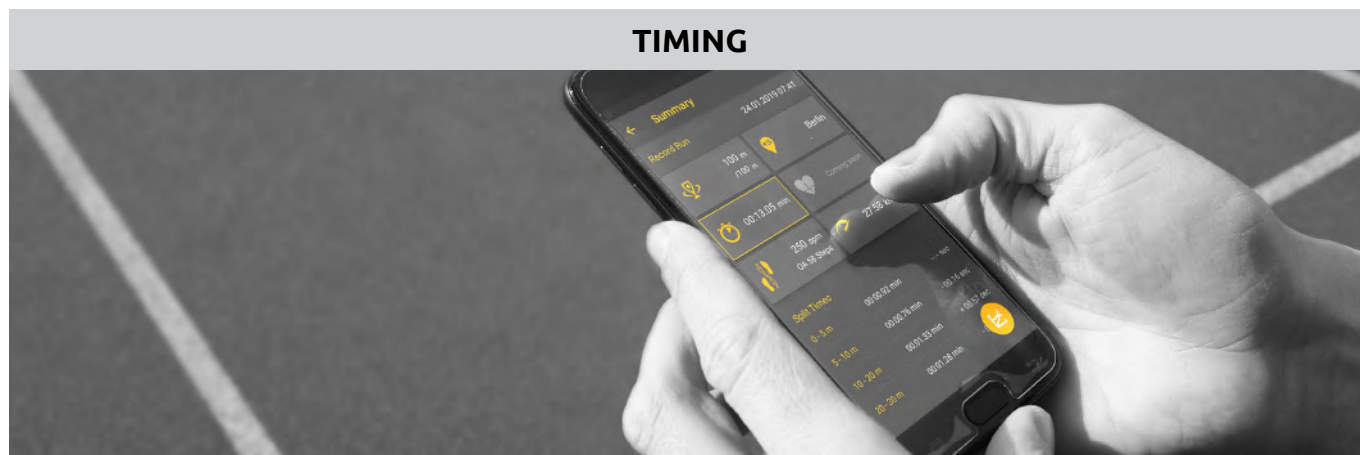
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## **SENSORS - WHAT SENSORS ARE THERE?**

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## Timing or Diagnostics?



### Professional Timing

Running data incl. running time, split times, distance, step frequency, number of steps, and speed

Livestream timing results

Single athlete

Single run



### Performance Diagnostics





Measure sprint tests, agility tests, jump tests, Cooper test, tappings tests

Running data incl. running time, split times, running distance, step frequency, number of steps, step length, and speed

Teams and single athletes

Multiple tests with one measurement, multiple athletes with one measurement

# What can you do with the different SmartTracks products?

Product Category		Timing	Timing	Timing	Diagnostics SMARTTRACKS DIAGNOSTICS PC SOFTWARE & DX SENSOR	Diagnostics
Product		SMART RUN APP (free)	SMART RUN APP & DX5.0 SENSOR	TIMING MOBILE SET		DIAGNOSTICS MOBILE SET
Timing Gates		SmartTracks Location	SmartTracks Location	Mobile Gates	SmartTracks Location	Mobile Gates
	Timing	☑	☑	☑	☑	☑
	Step Info	☑	☑	☑	☑	☑
	Heartrate	☑				
	<b>RUNNING</b>					
	Long Jump Run-Up		Planned	Planned	☑	☑
	Pole Vault Run-Up		Planned	Planned	☑	☑
	Cooper Test				☑	☑
	Custom		Planned	Planned	☑	☑
	Arrowhead		Planned	Planned	☑	☑
	<b>AGILITY TESTS</b>		Planned	Planned	☑	☑
	Illinois		Planned	Planned	☑	☑
	3 Cone Drill				☑	☑
	5-10-5 Shuttle				☑	☑
	Drop Jump				☑	☑
	<b>VERTICAL JUMPS</b>					
	Countermovement Jump				☑	☑
	Squat Jump				☑	☑
	<b>TAPPINGS</b>					
	Tappings				☑	☑

# What data do you get?

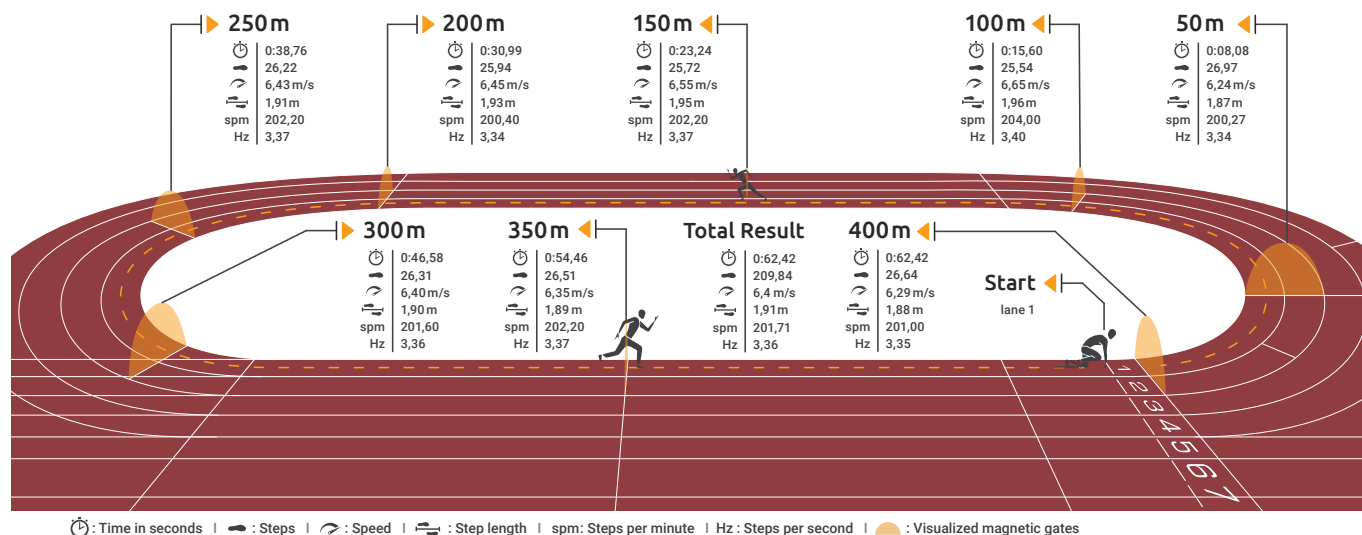
			TIMING		DIAGNOSTICS
Measuring device			Smartphone	DX Sensor	DX Sensor
Application				SMART RUN	DIAGNOSTICS SOFTWARE
Running	Time	Total Time [0.01sec]	☑	☑	☑
		Split Time [0.01sec]	☑	☑	☑
	Speed	Speed [m/s], [km/h], [min/km]	☑	☑	☑ (no min/km)
	Heartrate		☑		
	Realtime Observation			☑	
	Start Options	Force Explosion			☑
		Countdown	☑	☑	
		Start Signal			
	Steps	Number of Steps	☑	☑	☑
		Step Frequency [Hz]	☑	☑	☑
		Steps per Minute	☑	☑	
		Step Length		planned	☑
	Cooper Test	8 or 12 Minutes			☑*
	Long Jump Run-Up	Total Time [0.01sec]		planned	☑
		Split Time [0.01sec]		planned	☑
	Pole Vault Run-Up	Total Time [0.01sec]		planned	☑
		Split Time [0.01sec]		planned	☑
Agility Tests	Illinois (right and left)	Total Time [0.01sec]		planned	☑
	Arrowhead (right and left)	Total Time [0.01sec]		planned	☑
	Custom	Total Time [0.01sec]		planned	☑
	3 Cone Drill	Total Time [0.01sec]			☑
		Split Time [0.01sec]			☑
	5-10-5 Shuttle	Total Time [0.01sec]			☑
		Split Time [0.01sec]			☑
Tappings	Tappings	Duration [s]			☑
		Avg. Frequency [Hz]			☑
		Max. Frequency [Hz]			☑
		Number of contacts for 6 sec. and 15 sec.			☑
Jumps	Squat Jump	Jump Height [cm]			☑
	Drop Jump	Jump Height [cm]			☑
		Ground Contact Time [s]			☑
		Reactive Strength Index [cm/s]**			☑
	Countermovement Jump	Jump Height [cm]			☑
Athlete Management	Team Athlete Definition				☑
	Single User		☑	☑	
	Multiple Athletes with One Measurement				☑
	Single Test with One Measurement		☑	☑	
	Multiple Tests with One Measurement				☑
Results	Exports	Run Export (mhtml, csv)			☑
		Multiple Run Export (mhtml, csv)			☑
		Diagnostics Export (json)			☑
		Team Export (json)			☑
		Radar Chart Team			☑
	SmarTracks Online	Online Result View	☑	☑	
		Raw Data Backup	☑	☑	☑
		Result Backup	☑	☑	
		Result Restore	☑	☑	

\* Cooper Test time is given when there is a regular gate pattern of every 50 or 100m on a 400m round lane and when athlete passes Timing Gate on time up

\*\* Reactive Strength Index defined as Drop Jump Height [cm]/ Drop Jump Ground Contact Time [s]

## Do you have access to a SmartTracks sports location?

A SmartTracks sports location has SmartTracks Timing Gates installed under the sports surface.

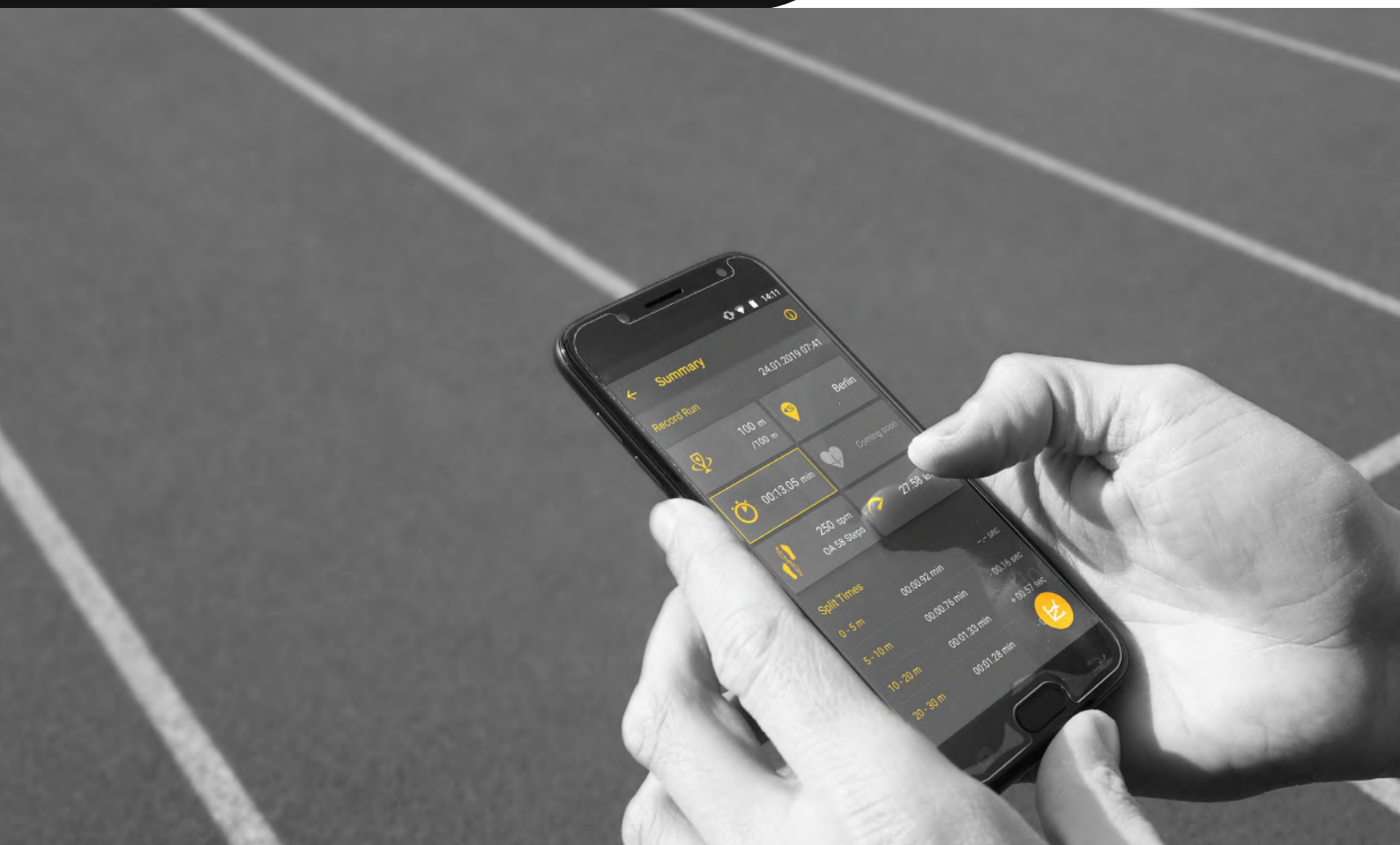


[Click here to view SmartTracks sports locations worldwide](#)

If you do not have access to a SmartTracks sports location, you need Mobile Sets.

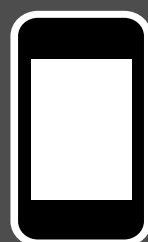
I have access to a SmartTracks sports location:		I don't have access to a SmartTracks sports location:	
TIMING Smart Run App	8	TIMING Timing Mobile Set	12
TIMING Smart Run App & DX5.0 Sensor	9	DIAGNOSTICS Diagnostics Mobile Set	18
DIAGNOSTICS SmartTracks Diagnostics PC Software & DX Sensor	15		





# TIMING SMART RUN APP

THE FREE TIMING APP FOR EVERY SMARTTRACKS SPORTS LOCATION



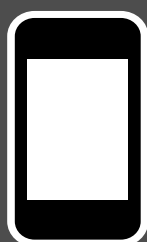




## TIMING

### SMART RUN APP & DX5.0 SENSOR

PROFESSIONAL TIMING FOR EVERY SMARTTRACKS SPORTS LOCATION



## TIMING

### Smart Run App & DX5.0 Sensor

#### Number of users and measurements allowed

Single user

Single test with one measurement

#### Result view options

Realtime observation of timing results



In the Smart Run app


On [www.smartracks.run/online](http://www.smartracks.run/online)

#### Data provided

Running	Time	Total Time [0.01sec]	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	<input checked="" type="checkbox"/>
	Speed	Speed [m/s], [km/h], [min/km]	<input checked="" type="checkbox"/>
	Heartrate		
	Realtime Observation		<input checked="" type="checkbox"/>
	Start Options	Force Explosion	
		Countdown	<input checked="" type="checkbox"/>
		Start Signal	
	Steps	Number of Steps	<input checked="" type="checkbox"/>
		Step Frequency [Hz]	<input checked="" type="checkbox"/>
		Steps per Minute	<input checked="" type="checkbox"/>
		Step Length	planned
	Cooper Test	8 or 12 Minutes	
	Long Jump Run-Up	Total Time [0.01sec]	planned
Agility Tests		Split Time [0.01sec]	planned
	Pole Vault Run-Up	Total Time [0.01sec]	planned
		Split Time [0.01sec]	planned
	Illinois (right and left)	Total Time [0.01sec]	planned
	Arrowhead (right and left)	Total Time [0.01sec]	planned
	Custom	Total Time [0.01sec]	planned
	3 Cone Drill	Total Time [0.01sec]	
		Split Time [0.01sec]	
	5-10-5 Shuttle	Total Time [0.01sec]	
		Split Time [0.01sec]	

## Smart Run App & DX5.0 Sensor - Product Variations

DX5.0 Timing (with TB40 Belt)	DX5.0 Timing (with MB60 Belt, XS-S or M-L)
<b>Order Nr.: 53200</b>	<b>Order Nr.: XS-S: 96546, M-L: 96877</b>
	
DX5.0 Timing sensor with a basic belt for timing.	DX5.0 Timing sensor with MB60 belt.
<b>Includes:</b> <ul style="list-style-type: none"> <li>- 1 Sensor DX5.0 Timing</li> <li>- 1 TB40 Belt</li> <li>- Smart Run App (for Android and iOS)*</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>- 1 Sensor DX5.0 Timing</li> <li>- 1 MB60 Belt XS-S OR 1 MB60 Belt M-L</li> <li>- 1 Sensor Clip</li> <li>- Smart Run App (for Android and iOS)*</li> </ul>
<b>Price (excl. VAT): 299,00€</b>	<b>Price (excl. VAT): 349,00€</b>

DX5.0 Diagnostics (with MB60 Belts)
<b>Order Nr.: 95666</b>

<p>SmartTracks DX5.0 Diagnostics sensor with two MB60 belts in transportation case. Compatible with SmartTracks Diagnostics PC Software and the Smart Run mobile app (<a href="#">see p.23</a>).</p>
<b>Includes:</b> <ul style="list-style-type: none"> <li>- 1 Sensor DX5.0 Diagnostics</li> <li>- 1 MB60 Belt M-L</li> <li>- 1 MB60 Belt XS-S</li> <li>- 1 Sensor Clip</li> <li>- 1 Transportation Case</li> <li>- Smart Run App (for Android and iOS)*</li> </ul>
<b>Price (excl. VAT): 850,00€</b>

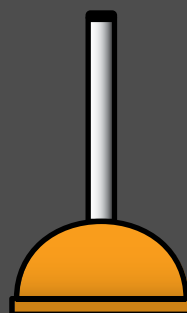
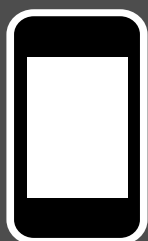
\*Free download in the App Store and Google Play Store. Certain functions in the Smart Run app require email registration (free of charge).



# **TIMING**

## **TIMING MOBILE SET**

PROFESSIONAL TIMING ON ANY LOCATION



## TIMING

### Timing Mobile Set

#### Number of users and measurements allowed

Single user

Single test with one measurement

#### Result view options

Realtime observation of timing results

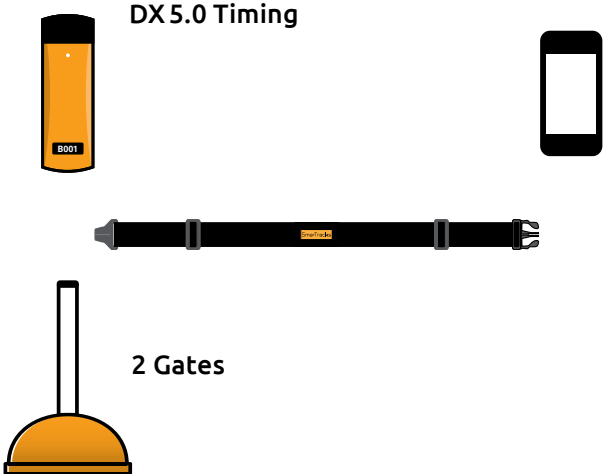
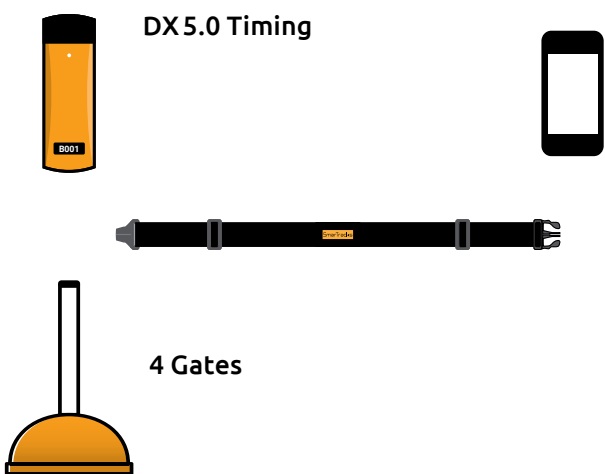
In the Smart Run app

On [www.smartracks.run/online](http://www.smartracks.run/online)

#### Data provided

Running	Time	Total Time [0.01sec]	✓
		Split Time [0.01sec]	✓
	Speed	Speed [m/s], [km/h], [min/km]	✓
	Heartrate		
	Realtime Observation		✓
	Start Options	Force Explosion	
		Countdown	✓
		Start Signal	
	Steps	Number of Steps	✓
		Step Frequency [Hz]	✓
		Steps per Minute	✓
		Step Length	planned
	Cooper Test	8 or 12 Minutes	
	Long Jump Run-Up	Total Time [0.01sec]	planned
Agility Tests		Split Time [0.01sec]	planned
	Pole Vault Run-Up	Total Time [0.01sec]	planned
		Split Time [0.01sec]	planned
	Illinois (right and left)	Total Time [0.01sec]	planned
	Arrowhead (right and left)	Total Time [0.01sec]	planned
	Custom	Total Time [0.01sec]	planned
	3 Cone Drill	Total Time [0.01sec]	
		Split Time [0.01sec]	
	5-10-5 Shuttle	Total Time [0.01sec]	
		Split Time [0.01sec]	

## Timing Mobile Set - Product Variations

Timing Mobile Set (2 Gates)	Timing Mobile Set (4 Gates)
<b>Order Nr.: 13853</b>	<b>Order Nr.: 94212</b>
 <p>DX 5.0 Timing</p> <p>2 Gates</p>	 <p>DX 5.0 Timing</p> <p>4 Gates</p>
<p>SmarTracks Timing Set for professional timing anywhere. Includes the DX5.0 Timing sensor and 2 Timing Gates, in combination with the Smart Run mobile app.</p> <p>2 Mobile Gates allow the following tests:</p> <ul style="list-style-type: none"> <li>- Runs <b>without</b> split times</li> <li>- Long Jump and Pole Vault Run-Up</li> <li>- Arrowhead Agility Test</li> <li>- Custom Agility Test</li> <li>- Illinois Agility Test</li> </ul>	<p>SmarTracks Timing Set for professional timing anywhere. Includes the DX5.0 Timing sensor and 2 Timing Gates, in combination with the Smart Run mobile app.</p> <p>4 Mobile Gates allow the following tests:</p> <ul style="list-style-type: none"> <li>- Runs <b>with</b> split times</li> <li>- Long Jump and Pole Vault Run-Up</li> <li>- Arrowhead Agility Test</li> <li>- Custom Agility Test</li> <li>- Illinois Agility Test</li> </ul>
<p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>- 1 Sensor DX5.0 Timing</li> <li>- 1 TB40 Belt</li> <li>- 2 Mobile Gates (4 x Cones, 4 x MCDs)</li> <li>- 2 Angle Holders</li> <li>- 1 Transportation Case</li> <li>- 1 Measuring Tape</li> <li>- Smart Run App (for Android and iOS)*</li> </ul>	<p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>- 1 Sensor DX5.0 Timing</li> <li>- 1 TB40 Belt</li> <li>- 4 Mobile Gates (8 x Cones, 8 x MCDs)</li> <li>- 2 Angle Holders</li> <li>- 1 Transportation Case</li> <li>- 1 Measuring Tape</li> <li>- Smart Run App (for Android and iOS)*</li> </ul>
<b>Price (excl. VAT): 948,00 €</b>	<b>Price (excl. VAT): 1.348,00 €</b>

\*Free download in the App Store and Google Play Store. Certain functions in the Smart Run app require email registration (free of charge).

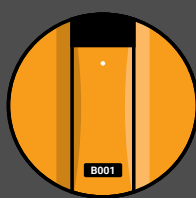
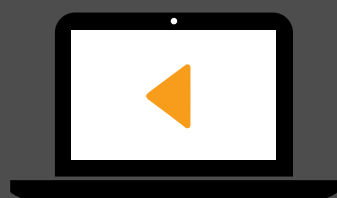




# DIAGNOSTICS

## SMARTTRACKS DIAGNOSTICS PC SOFTWARE & DX SENSOR

PERFORMANCE DIAGNOSTICS FOR PEOPLE TRAINING ON A SMARTTRACKS  
SPORTS LOCATION





## DIAGNOSTICS

### Smarttracks Diagnostics PC Software & DX Sensor

#### Number of users and measurements allowed

Measure several athletes simultaneously

Measure multiple tests with one sensor

Measure several athletes with one sensor (change during measurement)

#### Results view options

In Diagnostics software

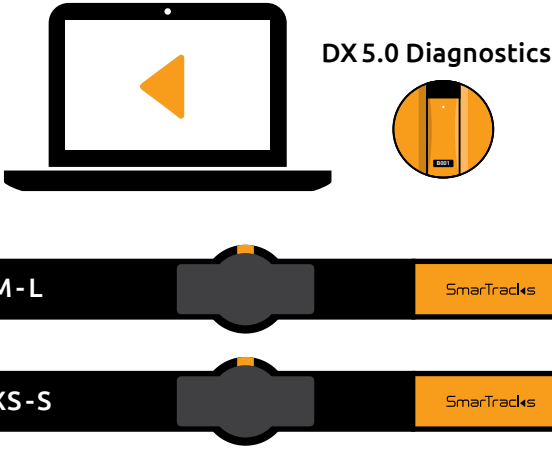
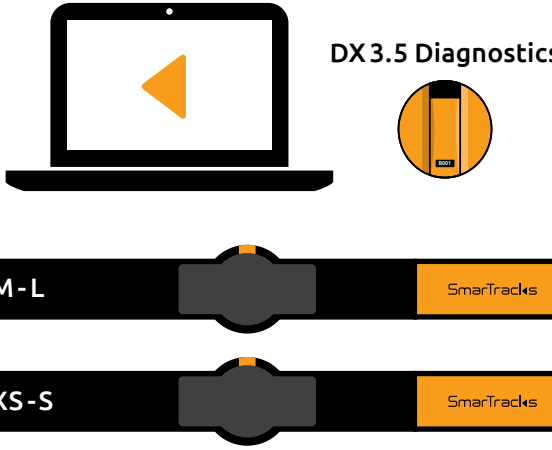
Exports (mhtml, csv, JSON)

#### Data provided

Running	Time	Total Time [0.01sec]	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	<input checked="" type="checkbox"/>
	Speed	Speed [m/s], [km/h], [min/km]	<input checked="" type="checkbox"/> (no min/km)
	Heartrate		
	Realtime Observation		
	Start Options	Force Explosion	<input checked="" type="checkbox"/>
		Countdown	
		Start Signal	
	Steps	Number of Steps	<input checked="" type="checkbox"/>
		Step Frequency [Hz]	<input checked="" type="checkbox"/>
		Steps per Minute	
		Step Length	<input checked="" type="checkbox"/>
	Cooper Test	8 or 12 Minutes	<input checked="" type="checkbox"/>
	Long Jump Run-Up	Total Time [0.01sec]	<input checked="" type="checkbox"/>
Agility Tests		Split Time [0.01sec]	<input checked="" type="checkbox"/>
	Pole Vault Run-Up	Total Time [0.01sec]	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	<input checked="" type="checkbox"/>
	Illinois (right and left)	Total Time [0.01sec]	<input checked="" type="checkbox"/>
	Arrowhead (right and left)	Total Time [0.01sec]	<input checked="" type="checkbox"/>
	Custom	Total Time [0.01sec]	<input checked="" type="checkbox"/>
Tappings	3 Cone Drill	Total Time [0.01sec]	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	<input checked="" type="checkbox"/>
	5-10-5 Shuttle	Total Time [0.01sec]	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	<input checked="" type="checkbox"/>
Jumps	Squat Jump	Jump Height [cm]	<input checked="" type="checkbox"/>
	Drop Jump	Jump Height [cm]	<input checked="" type="checkbox"/>
		Ground Contact Time [s]	<input checked="" type="checkbox"/>
		Reactive Strength Index [cm/s]	<input checked="" type="checkbox"/>
	Countermovement Jump	Jump Height [cm]	<input checked="" type="checkbox"/>

## SmarTracks Diagnostics PC Software & DX Sensor

### - Product Variations

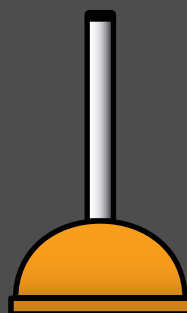
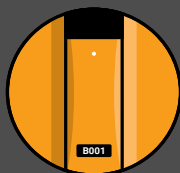
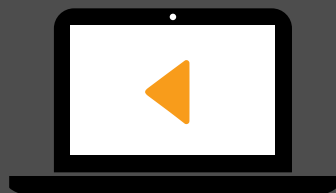
SmarTracks Diagnostics PC Software + DX5.0 Diagnostics with MB60 Belts	SmarTracks Diagnostics PC Software + DX3.5 Diagnostics with MB60 Belts
<b>Order Nr.:</b> 44778 + 95666	<b>Order Nr.:</b> 44778 + 64725
 <p>DX 5.0 Diagnostics</p>	 <p>DX 3.5 Diagnostics</p>
<p>SmarTracks Diagnostics for people with access to a SmarTracks sports location.</p> <p>Includes the DX5.0 sensor and PC software for Windows 10 or higher, with a single-user license.</p> <p>The DX5.0 Diagnostics sensor can be used separately with the Smart Run mobile app for timing purposes (<a href="#">see p.23</a>).</p>	<p>SmarTracks Diagnostics for people with access to a SmarTracks sports location.</p> <p>Includes the DX3.5 Diagnostics sensor and PC software for Windows 10 or higher, with a single-user license.</p>
<p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>- 1 SmarTracks Diagnostics PC Software (only for Windows)</li> <li>- 1 Sensor DX5.0 Diagnostics</li> <li>- 1 MB60 Belt M-L</li> <li>- 1 MB60 Belt XS-S</li> <li>- 1 Sensor Clip</li> <li>- 1 USB 2.0 A-Extension (1m)</li> <li>- 1 Transportation Case</li> </ul>	<p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>- 1 SmarTracks Diagnostics PC Software (only for Windows)</li> <li>- 1 Sensor DX3.5 Diagnostics</li> <li>- 1 MB60 Belt M-L</li> <li>- 1 MB60 Belt XS-S</li> <li>- 1 Sensor Clip</li> <li>- 1 USB 2.0 A-Extension (1m)</li> <li>- 1 Transportation Case</li> </ul>
<b>Price (excl. VAT): 2.850,00 €</b>	<b>Price (excl. VAT): 2.600,00 €</b>



# DIAGNOSTICS

## DIAGNOSTICS MOBILE SET

PERFORMANCE DIAGNOSTICS ON ANY LOCATION



# DIAGNOSTICS

## Diagnostics Mobile Set

### Number of users and measurements allowed

- Measure several athletes simultaneously
- Measure multiple tests with one sensor
- Measure several athletes with one sensor (change during measurement)

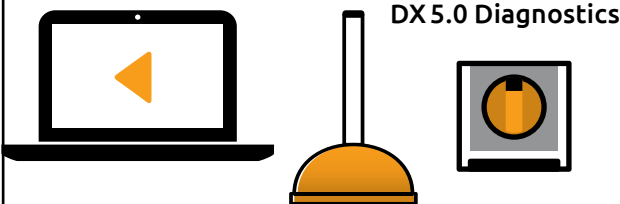


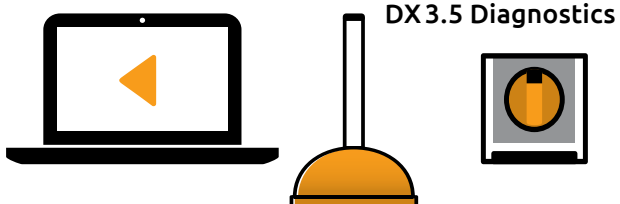


### Results view options

- In Diagnostics software
- Exports (mhtml, csv, JSON)

### Data provided

Running	Time	Total Time [0.01sec]	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	<input checked="" type="checkbox"/>
		Speed [m/s], [km/h], [min/km]	<input checked="" type="checkbox"/> (no min/km)
	Heartrate		
	Realtime Observation		
	Start Options	Force Explosion	<input checked="" type="checkbox"/>
		Countdown	
		Start Signal	
	Steps	Number of Steps	<input checked="" type="checkbox"/>
		Step Frequency [Hz]	<input checked="" type="checkbox"/>
		Steps per Minute	
		Step Length	<input checked="" type="checkbox"/>
	Cooper Test	8 or 12 Minutes	<input checked="" type="checkbox"/>
	Long Jump Run-Up	Total Time [0.01sec]	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	<input checked="" type="checkbox"/>
	Pole Vault Run-Up	Total Time [0.01sec]	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	<input checked="" type="checkbox"/>
Agility Tests	Illinois (right and left)	Total Time [0.01sec]	<input checked="" type="checkbox"/>
	Arrowhead (right and left)	Total Time [0.01sec]	<input checked="" type="checkbox"/>
	Custom	Total Time [0.01sec]	<input checked="" type="checkbox"/>
	3 Cone Drill	Total Time [0.01sec]	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	<input checked="" type="checkbox"/>
	5-10-5 Shuttle	Total Time [0.01sec]	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	<input checked="" type="checkbox"/>
Tappings	Tappings	Duration [s]	<input checked="" type="checkbox"/>
		Avg. Frequency [Hz]	<input checked="" type="checkbox"/>
		Max. Frequency [Hz]	<input checked="" type="checkbox"/>
		Number of contacts for 6 sec. and 15 sec.	<input checked="" type="checkbox"/>
Jumps	Squat Jump	Jump Height [cm]	<input checked="" type="checkbox"/>
	Drop Jump	Jump Height [cm]	<input checked="" type="checkbox"/>
		Ground Contact Time [s]	<input checked="" type="checkbox"/>
		Reactive Strength Index [cm/s]	<input checked="" type="checkbox"/>
	Countermovement Jump	Jump Height [cm]	<input checked="" type="checkbox"/>

## Diagnostics Mobile Set - Product Variations

Diagnostics Mobile Set (DX5.0)	Diagnostics Mobile Set (DX3.5)
<b>Order Nr.: 63207</b>	<b>Order Nr.: 60214</b>
 <p>DX 5.0 Diagnostics</p>  	 <p>DX 3.5 Diagnostics</p>  
<p>SmarTracks Diagnostics Set for performance diagnostics anywhere.</p> <p>Includes the DX5.0 Diagnostics sensor, 4 Timing Gates and SmarTracks Diagnostics software with a single user license (for Windows 10 or higher). The sensor can be used separately with the Smart Run mobile app for timing purposes (<a href="#">see p.23</a>).</p>	<p>SmarTracks Diagnostics Set for performance diagnostics anywhere.</p> <p>Includes the DX3.5 Diagnostics sensor, 4 Timing Gates and SmarTracks Diagnostics software with a single user license (for Windows 10 or higher). The sensor cannot be used with the Smart Run mobile app.</p>
<p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>- 1 SmarTracks Diagnostics PC Software (only for Windows)</li> <li>- 1 Sensor DX5.0 Diagnostics</li> <li>- 1 MB60 Belt M-L</li> <li>- 1 MB60 Belt XS-S</li> <li>- 1 Sensor Clip</li> <li>- 4 Timing Gates (8 x Cones, 8 x MCDs)</li> <li>- 2 Angle Holders</li> <li>- 1 Sensor Box</li> <li>- 1 Measuring Tape</li> <li>- 1 USB 2.0 A-Extension (2m)</li> <li>- 1 Transportation Case</li> </ul>	<p><b>Includes:</b></p> <ul style="list-style-type: none"> <li>- 1 SmarTracks Diagnostics PC Software (only for Windows)</li> <li>- 1 Sensor DX3.5 Diagnostics</li> <li>- 1 MB60 Belt M-L</li> <li>- 1 MB60 Belt XS-S</li> <li>- 1 Sensor Clip</li> <li>- 4 Timing Gates (8 x Cones, 8 x MCDs)</li> <li>- 2 Angle Holders</li> <li>- 1 Sensor Box</li> <li>- 1 Measuring Tape</li> <li>- 1 USB 2.0 A-Extension (2m)</li> <li>- 1 Transportation Case</li> </ul>
<b>Price (excl. VAT): 3.999,00 €</b>	<b>Price (excl. VAT): 3.749,00 €</b>








# SENSORS

## WHAT SENSORS ARE THERE?

# Sensor Comparison

DX5.0 Diagnostics	DX5.0 Timing	DX3.5 Diagnostics
 <p><b>Data provided</b></p> <p>Livestream timing results</p> <p>Timing and step data</p> <p>Agility tests</p> <p>Jump tests</p> <p>Tappings tests</p>	 <p><b>Data provided</b></p> <p>Livestream timing results</p> <p>Timing and step data</p> <p>Agility tests <i>(coming soon)</i></p>	 <p><b>Data provided</b></p> <p>Timing and step data</p> <p>Agility tests</p> <p>Jump tests</p> <p>Tappings tests</p>
<p><b>Used with</b></p> <p>SmarTracks Diagnostics software</p> <p>Smart Run app</p>	<p><b>Used with</b></p> <p>Smart Run app</p>	<p><b>Used with</b></p> <p>SmarTracks Diagnostics software</p>



## DX5.0 Diagnostics Sensor

### With Smart Run App and SmartTracks Diagnostics Software

If you have a DX5.0 Diagnostics sensor, you can use it with both the SmartTracks Diagnostics software and the Smart Run app.

**Note:** You cannot combine the measurements of software and app. For example, you cannot start a measurement with the app and then analyze it with the Diagnostics software.



#### Data provided

Application			SMART RUN	DIAGNOSTICS SOFTWARE
Running	Time	Total Time [0.01sec]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Speed	Speed [m/s], [km/h], [min/km]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (no min/km)
	Heartrate			
	Realtime Observation		<input checked="" type="checkbox"/>	
	Start Options	Force Explosion		<input checked="" type="checkbox"/>
		Countdown	<input checked="" type="checkbox"/>	
		Start Signal		
	Steps	Number of Steps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Step Frequency [Hz]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Steps per Minute	<input checked="" type="checkbox"/>	
		Step Length	planned	<input checked="" type="checkbox"/>
	Cooper Test	8 or 12 Minutes		<input checked="" type="checkbox"/>
	Long Jump Run-Up	Total Time [0.01sec]	planned	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	planned	<input checked="" type="checkbox"/>
	Pole Vault Run-Up	Total Time [0.01sec]	planned	<input checked="" type="checkbox"/>
		Split Time [0.01sec]	planned	<input checked="" type="checkbox"/>
Agility Tests	Illinois (right and left)	Total Time [0.01sec]	planned	<input checked="" type="checkbox"/>
	Arrowhead (right and left)	Total Time [0.01sec]	planned	<input checked="" type="checkbox"/>
	Custom	Total Time [0.01sec]	planned	<input checked="" type="checkbox"/>
	3 Cone Drill	Total Time [0.01sec]		<input checked="" type="checkbox"/>
		Split Time [0.01sec]		<input checked="" type="checkbox"/>
	5-10-5 Shuttle	Total Time [0.01sec]		<input checked="" type="checkbox"/>
		Split Time [0.01sec]		<input checked="" type="checkbox"/>
Tappings	Tappings	Duration [s]		<input checked="" type="checkbox"/>
		Avg. Frequency [Hz]		<input checked="" type="checkbox"/>
		Max. Frequency [Hz]		<input checked="" type="checkbox"/>
		Number of contacts for 6 sec. and 15 sec.		<input checked="" type="checkbox"/>
Jumps	Squat Jump	Jump Height [cm]		<input checked="" type="checkbox"/>
	Drop Jump	Jump Height [cm]		<input checked="" type="checkbox"/>
		Ground Contact Time [s]		<input checked="" type="checkbox"/>
		Reactive Strength Index [cm/s]		<input checked="" type="checkbox"/>
	Countermovement Jump	Jump Height [cm]		<input checked="" type="checkbox"/>

# DX5.0 Timing Sensor

## With Smart Run App

The DX5.0 Timing Sensor is to be used with the Smart Run App.

You will receive livestream timing results on your smartphone and after the run you can view all your run data on your smartphone and on the SmarTracks online website.



### Data provided

Application			SMART RUN	DIAGNOSTICS SOFTWARE
Running	Time	Total Time [0.01sec]	☑	not compatible
		Split Time [0.01sec]	☑	
	Speed	Speed [m/s], [km/h], [min/km]	☑	
	Heartrate			
	Realtime Observation		☑	
	Start Options	Force Explosion		
		Countdown	☑	
		Start Signal		
	Steps	Number of Steps	☑	
		Step Frequency [Hz]	☑	
		Steps per Minute	☑	
		Step Length	planned	
	Cooper Test	8 or 12 Minutes		
	Long Jump Run-Up	Total Time [0.01sec]	planned	
		Split Time [0.01sec]	planned	
Pole Vault Run-Up	Total Time [0.01sec]	planned		
	Split Time [0.01sec]	planned		
Agility Tests	Illinois (right and left)	Total Time [0.01sec]	planned	
	Arrowhead (right and left)	Total Time [0.01sec]	planned	
	Custom	Total Time [0.01sec]	planned	
	3 Cone Drill	Total Time [0.01sec]		
		Split Time [0.01sec]		
	5-10-5 Shuttle	Total Time [0.01sec]		
		Split Time [0.01sec]		

# DX3.5 Diagnostics Sensor

## With SmarTracks Diagnostics Software



The DX3.5 Diagnostics Sensor is to be used with the SmarTracks Diagnostics Software.



### Data provided



Application			SMART RUN	DIAGNOSTICS SOFTWARE
Running	Time	Total Time [0.01sec]	not compatible	<input checked="" type="checkbox"/>
		Split Time [0.01sec]		<input checked="" type="checkbox"/>
	Speed	Speed [m/s], [km/h], [min/km]		<input checked="" type="checkbox"/> (no min/km)
	Heartrate			
	Realtime Observation			
	Start Options	Force Explosion		<input checked="" type="checkbox"/>
		Countdown		
		Start Signal		
	Steps	Number of Steps		<input checked="" type="checkbox"/>
		Step Frequency [Hz]		<input checked="" type="checkbox"/>
		Steps per Minute		
		Step Length		<input checked="" type="checkbox"/>
	Cooper Test	8 or 12 Minutes		<input checked="" type="checkbox"/>
	Long Jump Run-Up	Total Time [0.01sec]		<input checked="" type="checkbox"/>
		Split Time [0.01sec]		<input checked="" type="checkbox"/>
	Pole Vault Run-Up	Total Time [0.01sec]		<input checked="" type="checkbox"/>
		Split Time [0.01sec]		<input checked="" type="checkbox"/>
Agility Tests	Illinois (right and left)	Total Time [0.01sec]		<input checked="" type="checkbox"/>
	Arrowhead (right and left)	Total Time [0.01sec]		<input checked="" type="checkbox"/>
	Custom	Total Time [0.01sec]		<input checked="" type="checkbox"/>
	3 Cone Drill	Total Time [0.01sec]		<input checked="" type="checkbox"/>
		Split Time [0.01sec]		<input checked="" type="checkbox"/>
	5-10-5 Shuttle	Total Time [0.01sec]		<input checked="" type="checkbox"/>
Tappings		Split Time [0.01sec]		<input checked="" type="checkbox"/>
	Tappings	Duration [s]		<input checked="" type="checkbox"/>
		Avg. Frequency [Hz]		<input checked="" type="checkbox"/>
		Max. Frequency [Hz]		<input checked="" type="checkbox"/>
Jumps		Number of contacts for 6 sec. and 15 sec.		<input checked="" type="checkbox"/>
	Squat Jump	Jump Height [cm]		<input checked="" type="checkbox"/>
	Drop Jump	Jump Height [cm]		<input checked="" type="checkbox"/>
		Ground Contact Time [s]		<input checked="" type="checkbox"/>
		Reactive Strength Index [cm/s]		<input checked="" type="checkbox"/>
	Countermovement Jump	Jump Height [cm]		<input checked="" type="checkbox"/>


## Accessories

MB60 Belt	Sensor Clip for DX5.0
<b>Order Nr.:</b> XS-S: 83236, M-L: 75646	<b>Order Nr.:</b> 91119
 <p>SmarTracks Belt for holding the DX sensor in place. Does not include the sensor clip.</p>	 <p>Sensor holder for the DX5.0 sensor (with velcro to attach the sensor to the MB60 Belt).</p>
<b>Price (excl. VAT): 75,00 €</b>	<b>Price (excl. VAT): 25,00 €</b>

Sensor Clip for DX3.5	TB40 Belt
<b>Order Nr.:</b> 72291	<b>Order Nr.:</b> 33773
 <p>Sensor holder for the DX3.5 sensor (with velcro to attach the sensor to the MB60 Belt)</p>	 <p>Belt for holding the DX5.0 Timing sensor in place.</p>
<b>Price (excl. VAT): 25,00 €</b>	<b>Price (excl. VAT): 45,00 €</b>

## Accessories

Mobile Gates (Set of 4)	Mobile Gates (Set of 2)
Order Nr.: 79284	Order Nr.: 48351
 <p>4 Timing Gates (8 MCDs and 8 cones) in a transportation case.</p>	 <p>2 Timing Gates (4 MCDs and 4 cones) in a transportation case.</p>
Price (excl. VAT): 999,00 €	Price (excl. VAT): 599,00 €

Cones (Set of 8)	Angle Holders (Set of 4)
Order Nr.: 20224	Order Nr.: 49300
 <p>8 cones (for marking the field or as holders for Mobile Gate MCDs).</p>	 <p>4 MCD holders for an angled setup of Mobile Gates (required for certain agility tests).</p>
Price (excl. VAT): 45,00 €	Price (excl. VAT): 60,00 €

## Technical Requirements for App and PC Software

### Technical requirements for Smart Run app, used without a DX5.0

- Accelerometer, Gyroscope and Magnetometer (each in three axes)
- Android 8 or newer
- iOS 11 or newer
- Measuring rate of min. 100 Hz
- Good quality sensors

### Technical requirements for Smart Run app, used with a DX5.0

- Accelerometer, Gyroscope and Magnetometer (each in three axes)
- Android 8 or newer
- iOS 11 or newer
- Bluetooth 4+

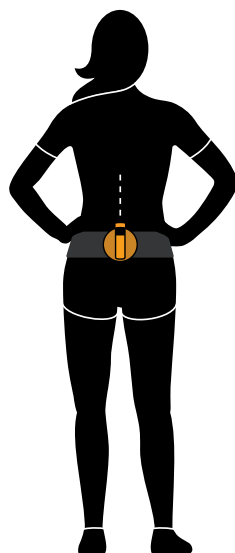
### Technical requirements for SmarTracks Diagnostics PC software

- Windows 10 (from version 1909)
- 15" display
- Intel i5 equivalent or better
- RAM: ≥ 8GB, 16GB is preferred
- Storage: SSD or similar
- Disk space:
  - For application: minimum 1GB
  - For recorded data: minimum 10GB
- 1 free USB Type A interface

The PC software cannot run on iOS.

## Size Info for MB60 Belt

The MB60 Belt is placed on your lower back with the sensor in a vertical position. The belt should be placed so that the top edges of the belt are at the same height as the top of your hip bones.



Size XS-S	Size M-L
(confection size S)	(confection size M)
<p>Weight: 62g Length: 80cm Width: 60cm</p> <p>Washable at 30°C (Material: 55% Viscose, 23% Polyamide, 20% Polyester, 2% Polychloride)</p> <p>Suitable for waist size: approx. 52cm – 75cm</p>	<p>Weight: 130g Length: 112cm Width: 60cm</p> <p>Washable at 30°C (Material: 62% Viscose, 20% Polyamide, 16% Polyester, 2% Polychloride)</p> <p>Suitable for waist size: approx. 71cm – 110cm.</p>



## Contact Information

If you want to place an order, or if you have any questions about Humotion's products and services, please contact us using the contact details below:

E-mail: [info@humotion.net](mailto:info@humotion.net)

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For more information on SmarTracks, visit [www.smartracks.run](http://www.smartracks.run).

For more information on other products and services by Humotion, visit [www.humotion.net](http://www.humotion.net).