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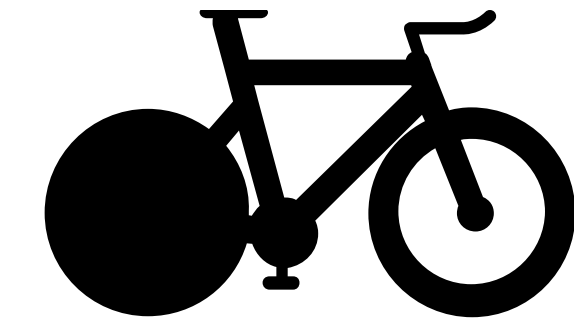
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Outdoor Testing Guide with aeroAPP

Test Preparations @home

- Power meter: charged and calibrated
- Garmin Edge: charged, Garmin aeroAPP up-to-date, Login checked
- Speed sensor (spokes magnet): Battery level checked, spare batteries packed, sensor calibrated (we strongly recommend a speed sensor to conduct professional testing)
- Mobile phone: charged, connected to Garmin Edge via Bluetooth
- Login: **synchronized** on data.aerotune.com and via aeroAPP / Garmin Connect
- Computer: charged, internet connection available (**recommended for bike fitter**)
- Power bank: as additional power supply
- USB cables: for mobile phone, Garmin Edge, etc.
- Documentation: Camera (pictures / video), paper, pen etc. (**optional**)
- Measuring tape and touch-up pen: for wheel perimeter measurement
- Tools: for conversions
- Turbo trainer: for position changes (**optional**)

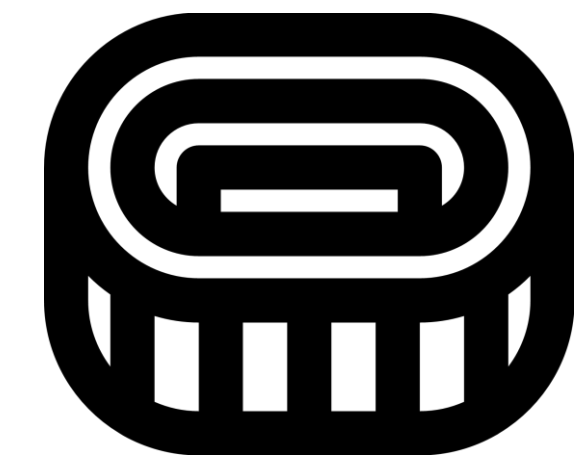
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Test Preparations @aeroDATA / aeroAPP

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- Valid subscription on aeroDATA
- Creation of athlete (if new athlete) via *Menu > My Athletes > Create New Athlete (Bike fitter only)*
- Ensure, that power meter and speed sensor are calibrated and connected to Garmin Edge
- Enter the measured wheel perimeter data in Garmin Edge *(for higher accuracy)*
- Open *New aeroTEST > Outdoor* in Garmin aeroAPP
- Choose New Test Route or use already persistent one*



Outdoor aeroTEST: Test Start

CdA-Test

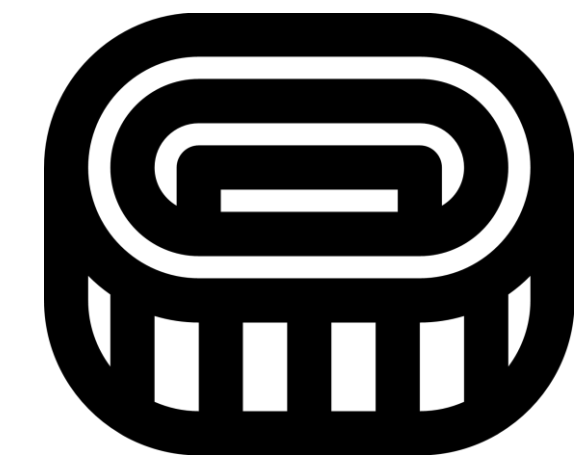
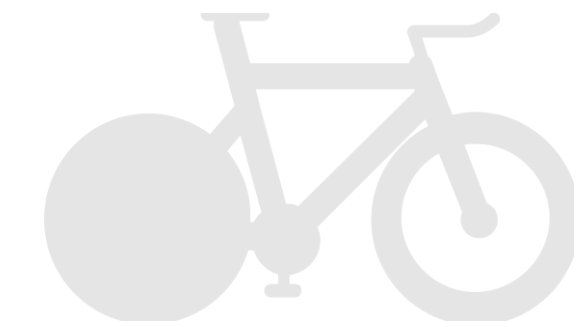
- ❑ The wind speed should be less than 5 m/s and not in main direction of travel (We recommend to have two test routes prepared in different directions)
- ❑ The Outdoor aeroTEST is a 1km outbound and 1km inbound test
- ❑ First iteration is for calibration
- ❑ Conduct 2 iterations @RacePace Power for testing of 1 setup
- ❑ After the second iteration the aeroAPP will provide feedback on test accuracy, if the accuracy is sufficient proceed to new setup or conduct Crr-Test. In case the accuracy is insufficient the aeroAPP will require you to repeat the setup.
- ❑ All other outliers are recognized by the system and displayed to you
- ❑ Repeat the process for each setup, use *New Setup* button to create a new setup

Crr-Test

- ❑ For rolling resistance measurement conduct 2 iterations @RacePace Power und immediately afterwards 1 iteration @60-75% RacePace Power
- ❑ Repeat rolling resistance test when wheels / tires have been changed

To protect against communication interruptions, all data are stored as a FIT file for possible manual transmission directly in the Garmin aeroAPP (later drag-and-drop function into the platform)

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Outdoor **aeroTEST**: Real Time Evaluation and Monitoring

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- Open your coach / fitter profile on aeroDATA
- Select your athlete in menu *My Athletes*
- If you test multiple athletes at the same time, open a new tab for each athlete so you can quickly switch between the individuals
- Wait until your athlete as completed the first ride / **iteration**
- Update the window: now, you can see the latest **aeroTEST**
- Open this last **aeroTEST** and you can start editing the fields and enter information regarding the setup
- The *Start Calculation* button will start the evaluation and calculation of results
- By using the *Live **aeroTEST*** button, you can monitor the test in real time – the app sends the data fully automatically to the platform after each round

