

CYCLUS 2 | NEWS
2023

ECENTRIC &
CONCENTRIC
CYCLING



The cycling ergometer for high-performance applications in testing and training.

Mount the athlete's own bike and start the exercise.

01 Fully compatible with current bikes equipped with disc brakes and through axles, clamp the bike by using its through axles.

Available interfaces:

- Road race and time trial bikes: Quick release skewer and through axles including Mavic Speed Release
- Mountain bikes: Quick release skewer and through axles including Boost standard
- Track bikes

02 Direct-drive over the bike chain with Shimano or Campagnolo compatible free hub supports 9, 10, 11 and 12 speed cassettes

03 Stable setup with flexible suspension at the rear and at the front fork enables exercises at very high workloads, which is suitable for anaerobic and sprint tests.

04 Super fast brake electronic controls the workload as well as changes in load profiles in a few milliseconds in highest accuracy

05 Adjustable sample rate from 0.5 to 10 Hz

06 Available load modes: Power, relative power, torque, relative torque, pedal force, relative pedal force, isokinetic and simulation.

07 User-friendly editor and generator to create your own load profiles. Integration of different load modes into load profiles is possible now.

08 Editor for virtual gear ratios available.

09 Bluetooth host to connect up to 4 Bluetooth sensors at one time (Heart rate sensors, VO2 Master Pro, MOXY monitor, Core Body Temperature Monitor, Lactate Scout and powermeters)

10 Display, report and export of the following additional values: Heart rate variability (HRV), oxygen consumption (VO2), ventilation (Ve), tidal volume (Tv), respiratory frequency (Rf), muscle oxygen saturation (SmO2), hemoglobin (Hb), core body temperature, skin temperature, lactate and powermeter's power and cadence.

11 Customize the graphical display on the display for up to 4 values.

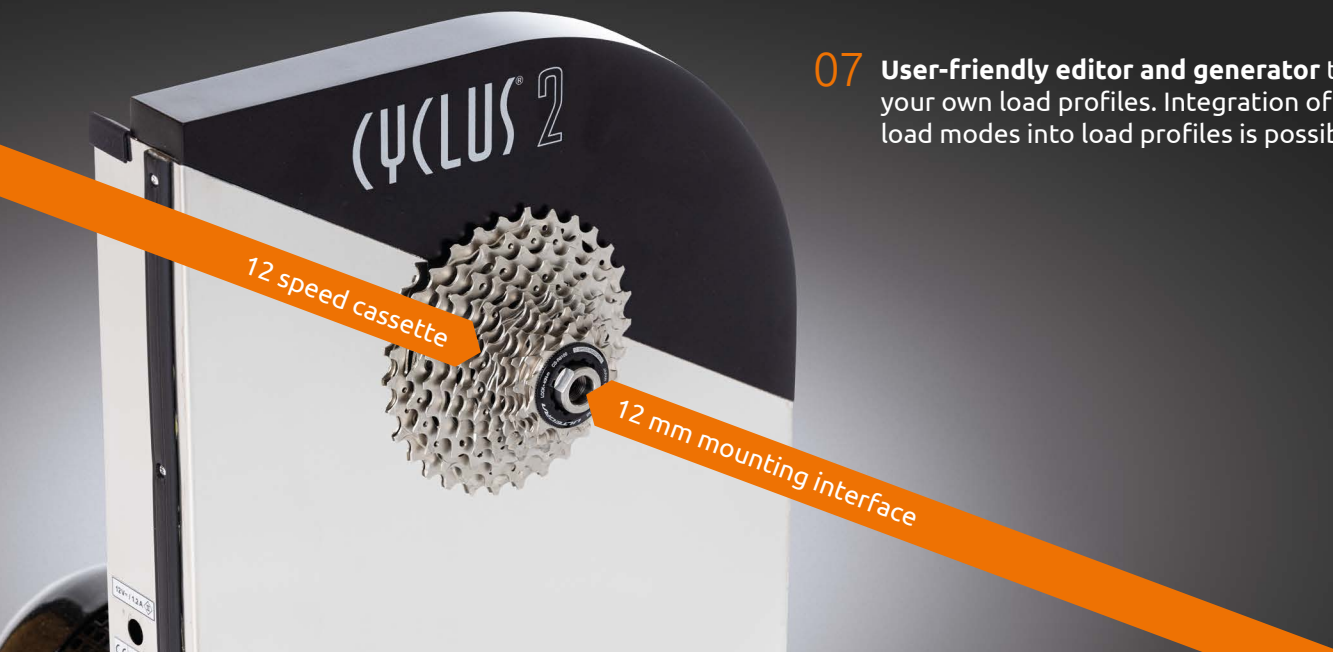
12 Customize the numerical displays for 4x2, 3x2, 4x1 and 3x1 assignment.

13 Copy exercise raw data, load and athlete profiles, export files and pdf reports via the FTP to your desktop pc.

14 Digital input/output to synchronize the equipment in your lab.



ASK YOUR LOCAL DISTRIBUTOR or the Cyclus2 team for more information.



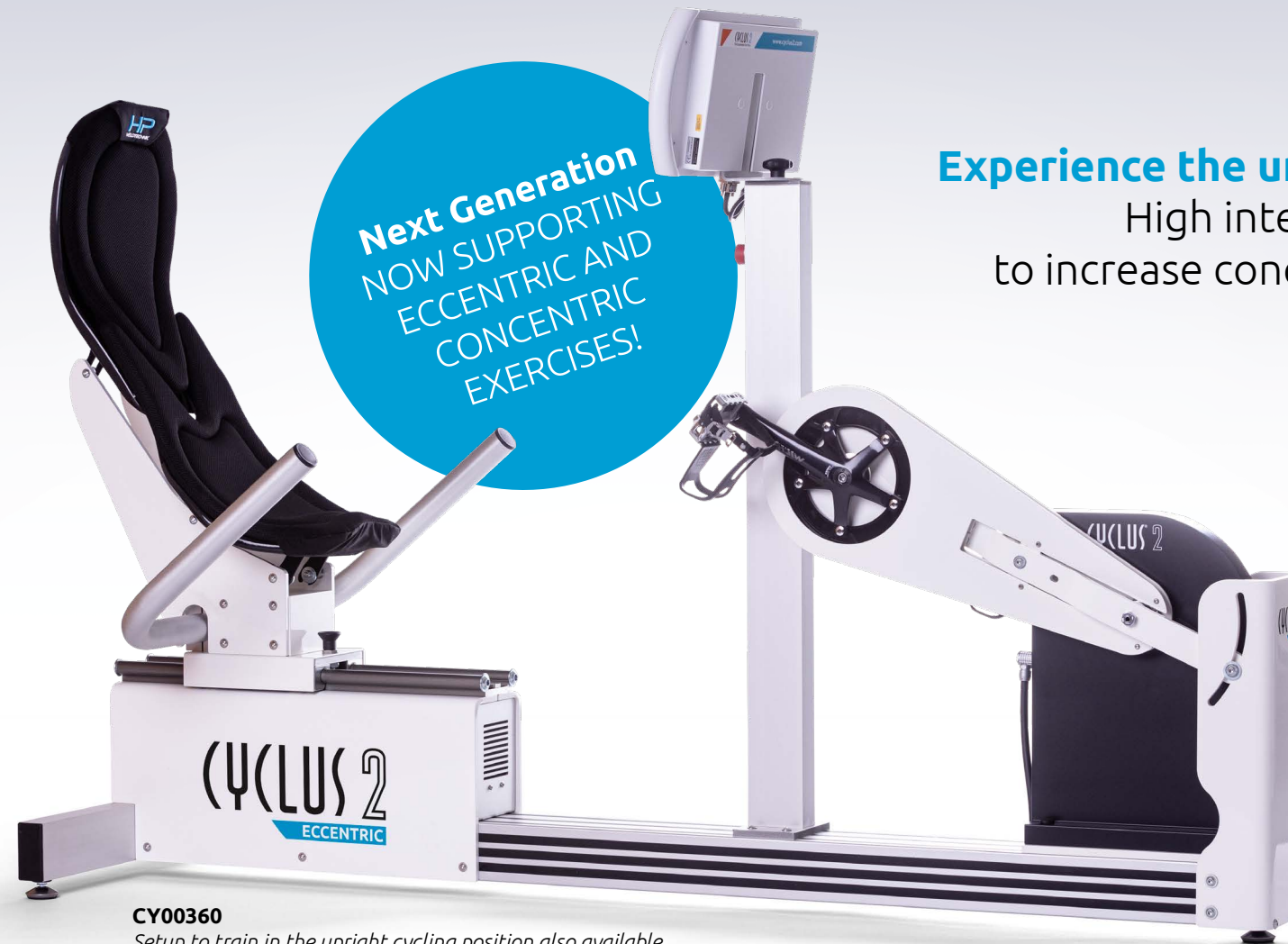
RECUMBENT ECCENTRIC TRAINER

Highlighted features

- Bidirectional 10 to 100 RPM
- Maximum power output up to 1000 watts from 40 to 100 RPM
- Low cadences with high workloads
- Smooth accelerations
- Eccentric exercises in isokinetic and constant power mode
- Concentric exercises in isokinetic mode
- Mixed load profiles backward/forward, eccentric/concentric and isokinetic/power
- Feedback display
- Export feature for research

Typical applications

- Strength training
- Coordination training and fall protection
- COPD and cardiac rehabilitation
- Cruciate ligament rupture and replacement rehabilitation
- Post Covid rehabilitation



Experience the unique benefits of eccentric cycling!

High intensity work with lower metabolic cost to increase concentric and eccentric muscle strength for more power production.



USE THE UPGRADE PROPOSAL!

Upgrade of older control panels to the current setup are available from serial number #550

Including: Fast state-of-the-art dual core CPU
800 MHz, 16 GB internal storage,
High Speed USB, Bluetooth host,
10/100 Mbit Ethernet, Wifi (option),
software release 5.0

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