



# CYCLUS 2

## CONCENTRIC

### Technical Details

# STANDARD CONCENTRIC

#### STANDARD CONCENTRIC CY00100

|                                     |            |
|-------------------------------------|------------|
| Power Accuracy (up to 100 W)        | 2 watts    |
| Power Accuracy (greater than 100 W) | 2%         |
| Minimum power workload              | 20 watts   |
| Maximum power workload (short term) | 3000 watts |
| Cadence Accuracy                    | 1 RPM      |
| Minimum Cadence at 50/13            | 30 RPM     |
| Maximum Cadence at 50/13            | 300 RPM    |

#### Load Modes

|                                                     |   |
|-----------------------------------------------------|---|
| Power                                               | ✓ |
| Torque                                              | ✓ |
| Simulation (Drag, Rolling Friction, Downhill Force) | ✓ |
| Isokinetic                                          | ✓ |

#### Control Panel

|                         |                                |
|-------------------------|--------------------------------|
| 10.4 inch Color Display | ✓                              |
| Load Profile Editor     | ✓                              |
| Load Profile Generator  | ✓                              |
| User Languages          | DE, EN, FR, ES, IT, JP, PT, RU |

#### External Control

|                                |   |
|--------------------------------|---|
| CPET                           | ✓ |
| ECG                            | ✓ |
| Training Platform (e.g. Zwift) | ✓ |

#### Integrated Tests

|                        |   |
|------------------------|---|
| Incremental Test       | ✓ |
| Wingate Anaerobic Test | ✓ |
| Maximum Strength Test  | ✓ |
| Maximum Cadence Test   | ✓ |
| PWC-Test               | ✓ |

## Data Export

|           |   |
|-----------|---|
| PDF File  | ✓ |
| TIFF File | ✓ |
| CSV File  | ✓ |
| FIT File  | ✓ |

## Connectivity

|                                      |          |
|--------------------------------------|----------|
| Bluetooth Low Energy (Bluetooth 5.2) | ✓        |
| Ethernet 10/100 Mbit                 | ✓        |
| USB 2.0                              | ✓ 2 pcs  |
| RS232                                | ✓        |
| WLAN (802.11g)                       | ✓ option |

## Protocols

|                                             |   |
|---------------------------------------------|---|
| Bluetooth FTMS<br>(Fitness Machine Service) | ✓ |
| Ergoline (RS232)                            | ✓ |
| Ergoline (Winsocket)                        | ✓ |
| Cyclus2 Protocol (RS232)                    | ✓ |
| Cyclus2 Protocol (Winsocket)                | ✓ |

## Compatible Bluetooth Sensors

|                    |   |
|--------------------|---|
| Heartrate Monitors | ✓ |
| VO2 Master Pro     | ✓ |
| MOXY               | ✓ |
| CORE               | ✓ |
| Powermeter         | ✓ |
| Lactate Scout      | ✓ |
| Lactate Express    | ✓ |

## Compatible USB Devices

|                          |   |
|--------------------------|---|
| USB Flash                | ✓ |
| USB Keyboard             | ✓ |
| USB Printer (PCL3, PCL5) | ✓ |
| Handle Bar Switches      | ✓ |

## Network Features

|                                       |   |
|---------------------------------------|---|
| Network Printer (PCL)                 | ✓ |
| Remote Control / Screen Sharing (VNC) | ✓ |
| Data Access (FTP)                     | ✓ |

## Drive

|                              |          |
|------------------------------|----------|
| Shimano Freehub Body         | ✓        |
| Shimano Cassette 11 speed    | ✓        |
| Shimano Cassette 12 speed    | ✓ Option |
| SRAM Freehub Body            | ✓ Option |
| SRAM Cassette 11 speed       | ✓ Option |
| SRAM Cassette 12 speed       | ✓ Option |
| Campagnolo Freehub Body      | ✓ Option |
| Campagnolo Cassette 11 speed | ✓ Option |
| Campagnolo Cassette 12 speed | ✓ Option |
| Campagnolo Cassette 13 speed | ✓ Option |
| Single Speed                 | ✓ Option |
| Sprocket                     | ✓ Option |

## Bike Mounting Interface

|                                             |                              |
|---------------------------------------------|------------------------------|
| Front Leg                                   | 100 mm (quick release)       |
| Brake Unit                                  | 130 / 135 mm (quick release) |
| Convertible for Through Axle                | ✓                            |
| Convertible for Single Speed                | ✓                            |
| Convertible for Freewheel Hub with Cassette | ✓                            |
| Convertible for 130 mm (M10)                |                              |

## General

|                                              |                       |
|----------------------------------------------|-----------------------|
| Power supply                                 | wall power supply     |
| Emergency Stop Button                        |                       |
| Supply voltage                               | 100-240V AC/ 50-60 Hz |
| Maximum power consumption                    | 6 watts               |
| Power independent operation (while pedaling) | ✓                     |
| Setup Area                                   | 140 x 50 cm           |
| Weight                                       | 35 kg                 |
| Transport Case                               | 76 x 45 x 47 cm       |