LIMITED WARRANTY

This product is for one year limited warranty commencing on the date of purchase. The product will be free from defects in material and workmanship for one year from the date of purchase.

○ Warranty does not cover the batteries, damages due to misuse, abuse or accidents, cracked or broken cases, negligence of precautions, improper maintenance or commercial use.
○ Warranty is void if the repairs are done by non authorized service technician.
○ The warranties contained herein are expressly in lieu of any other warranties including implied warranty of merchantability and/ or fitness for purpose. In no event shall manufacturer be liable for any damages, direct or incidental, consequential or special, arising out of or related to the use of this manual or the products described herein.
○ During this warranty period (one year) the product will either be repaired or replaced without charge.

Wireless Cycle computer -
CY-200AP

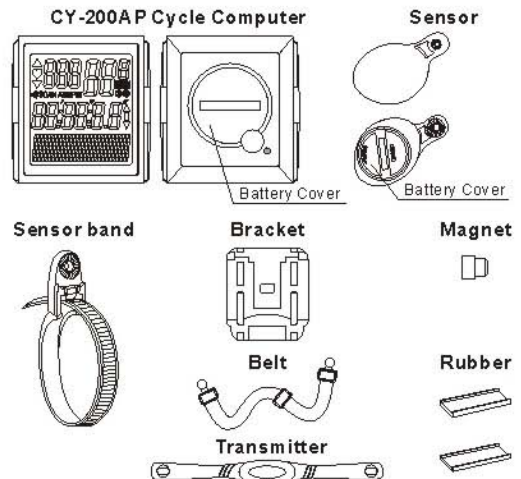# Cycle Computer - CY-200AP with Heart Rate Function

Congratulation!

You have decided for a cycle computer to help you achieve your health & wellness. It gives you the true image of your exercise work in precise way.

CY-200AP is designed to give feedback required by the most discerning cyclists, in which is with all the functionality on one large easy to read display. **CY-200AP** is a premier cycle computer for your challenge ride & heart rate training with ECG accurate. With the wireless technology, users can enjoy their cycling.
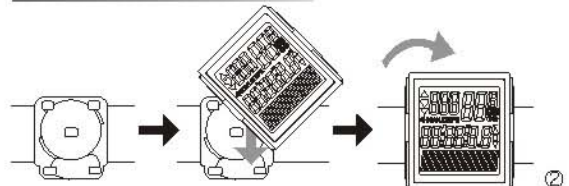
Before use **CY-200AP**, please read through the manual that guides you on how to operate it correctly & quickly. **CY-200AP** offers you very useful features to customize your exercise and gain the best & accurate measurement. After exercise, you may view your fitness result by pressing the button. It would be better to keep this manual for reference.
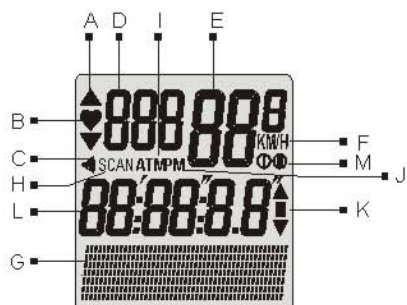
Item List

CY-200AP Cycle Computer — Battery Cover

Sensor — Battery Cover

Sensor band

Bracket

Magnet

Belt

Rubber

Transmitter

How to fit the bracket

A.) Alarm Symbol of Upper/Lower Heart Rate Limit
B.) Heart Rate Symbol
C.) Heart Rate Alarm
D.) Heart Rate Display
E.) Speed Display
F.) Speed Scale Symbol
G.) MODE Symbol
H.) SCAN
I.) ATM (Auto Time Mode)
J.) 12/24H
K.) Average Speed Symbol If Upper/ Lower Current Speed
L.) Sub Display
M.)2 users

How to Use it as Cycle Computer

1) Wheel Circumference

To get the accurate result, the wheel size should be correct. Mark the symbol on the tire and ride one circle. Then measure the length between two points that result comes out.

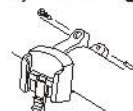Or you can get wheel circumference by the following equation:
Circumference (mm) = 2×3.14×R (inch) ×2.54 (1 inch = 25.4 cm)
R=Radius in centimetre

2) Installing the Bracket

Use the rubber pad tightens the bracket to the handlebar stem.

3) Installing the Speed Sensor

Check the position of the front fork to find the suitable point to attach the speed sensor. The distance between **CY-200AP** & the speed sensor would be in 600 mm.

4) Installing the Magnet

Put the Magnet on the right spokes of the front wheel and must face the speed sensor. The max distance between the speed sensor and the spoke magnet should be 5 mm. Once above items in the right position, you may go for a ride.
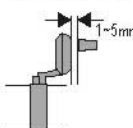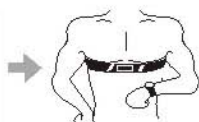
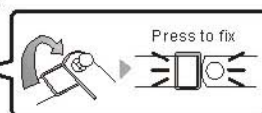**Note:** *Please check the handlebar that can be operated normally before riding your bicycle.*
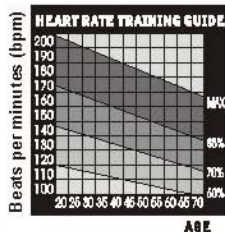
How to use it as heart rate monitor

The transmitter should be positioned right below the breasts/ pectoral muscles.

The strap should be comfortable, but secure.

Transmitter   Elastic Strap

Press to fix

Note: *Do not use CY-200AP near high voltage power cables.*

Training Areas:
50% - 60% Maintain Fitness
60% - 70% Endurance
70% - 80% Slight Resistance
80% - 90% Sustained Resistance

Maximum Pulse Limit (MPL/bpm) = 220-Age
For Maintain Fitness TZ setting:
Max HR = 60% * MPL
Min HR = 50% * MPL

○ *Target zone will vary for each individual, depending on Age, Personal fitness goals, Existing health considerations (High blood pressure, circulation or respiration), Medications and Doctor's recommendations.*

CY-200AP Feature List

Watch Feature
-- Time of the Day
-- Low Battery Indicator
-- Water Resistant
-- Easy to Read Large Display

HR Feature
-- ECG Accurate
-- Current Heart Rate
-- Average Heart Rate
-- Maximum Heart Rate
-- Adjust Heart Rate Limits
-- Out of Target Zone Alarms
-- One-Touch Button for Audible Alarm

Special Feature
-- User Settings
-- Total Ride Time
-- Cumulative Calories of the Active Exercise
-- User Changeable Batteries (Transmitter and Receiver sensor)
-- Comfortable Ultra-slim Ergonomic Chest Belt Transmitter
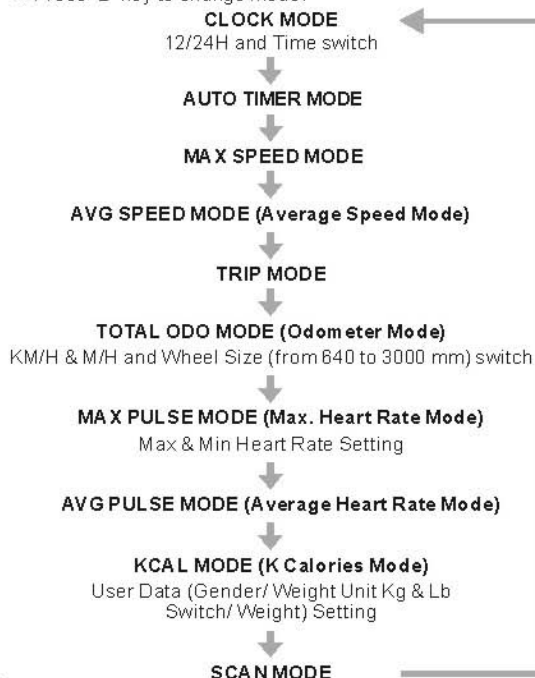-- State-of-art Stylish Design
-- 2 users

Cycling Feature
-- Trip Distance
-- Intelligent & Elegant Wheel MOTION Device
-- Accurate Current Speed
-- AVG Speed with Indicator
-- Max. Speed
-- Miles or Kms
-- Multi-Windows Displays
-- ATM (Auto Timer)
-- Odometer
-- Wireless
-- Wireless 2 Channels

Mode Change

- Press "L" key to change mode.

CLOCK MODE
12/24H and Time switch

↓

AUTO TIMER MODE

↓

MAX SPEED MODE

↓

AVG SPEED MODE (Average Speed Mode)

↓

TRIP MODE

↓

TOTAL ODO MODE (Odometer Mode)
KM/H & M/H and Wheel Size (from 640 to 3000 mm) switch

↓

MAX PULSE MODE (Max. Heart Rate Mode)
Max & Min Heart Rate Setting

↓

AVG PULSE MODE (Average Heart Rate Mode)

↓

KCAL MODE (K Calories Mode)
User Data (Gender/ Weight Unit Kg & Lb
Switch/ Weight) Setting

↓

SCAN MODE

⑦

OPERATION PROCESS
User Set

In order to get the exact exercise result, enter your personal Data (Gender/ Weight Unit Switch/ Weight) into computer is necessary.

| 1 | 2 | 3 |

- Go KCAL MODE by pressing "L" key, then again press "L" key for 2 secs to go User Set. By pressing "L" key shortly & "R" key alternatively to enter the correct personal data. Press "L" key for 2 secs when complete.

Functional Set
CLOCK MODE

| 1 | 2 | 3 |

- Press "L" key for 2 secs.
- Press "R" key to adjust 12/24 hours.
- Then repeat 2.3 to adjust time. When complete, press "L" key for 2 secs.

⑧

AUTO TIMER MODE

Note: Auto Timer would operate automatically when there is motion.

Note: Importantly, when press the "R" key for 3 seconds, all exercise results in display would return to Zero, except ODO mode.

Heart Rate Target Zone Alarm

- Press "R" key to make the symbol of the alarm.

⑨

Measure Mode

Current Speed

When the user starts morning, the computer will show his/her current speed as shown in picture.

MAX SPEED MODE

It will display user's Max Speed from the beginning to the current point.

AVG SPEED MODE (Average Speed Mode)
It would display user's Average Speed from the beginning to the current point.

Note: If your time or distance is over the max. Value (time 9 hr: 59 min: 59 sec) & (Distance: 999.99km), **CY-200AP** will not allow to measure correct average speed and show "Err" on the display. Once the time & distance value has been re-set, the average speed will show normally.

| 1 | 2 |

⑩

TRIP MODE (Distance Mode)

It will display user's distance from the beginning to the current point.

TOTAL ODO MODE (Odometer Mode)

Display total RPM from the beginning to the current point.

Note: *Odometer mode will return to Zero, when battery has been taken out.*

Note: *Importantly, when press the "R" key for 3 seconds, all exercise results in display would return to Zero, not including ODO mode.*

| 1 | 2 | 3 |

Set the wheel size from 640mm to 3000mm

- By pressing "L" key to setting mode, then press "R" & "L" keys alternatively to select the switch of Km/h or Mile/h and then to chose the right wheel size. For further information, please refer to wheel circumference on page 4.
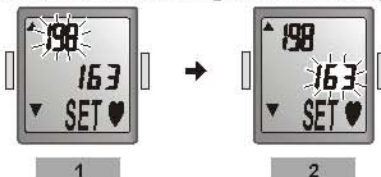
⑪

| 1 | 2 | 3 |

- In TOTALODO Mode, you may also have 2 choices for the wheel size by pressing the (USER 1/2) on the back.

MAX PULSE MODE (Max. Heart Rate Mode)

- Press "L" key to see the record of Max heart rate from the beginning to the current point.

Max & Min Heart Rate Target Zone Setting

| 1 | 2 |

Note: *When in MHR or AHR mode, by pressing "L" key for 3 secnds into MAX/ ARH setting mode. Then by pressing "L" key and "R" key alternatively to adjust Max & Min heart rate target zone.*

⑫

AVG PULSE MODE (Average Heart Rate Mode)

- Press "L" key to see the record of Average heart rate from the beginning to the current point.

KCAL MODE (K Calories Mode)

- Press "L" key to see the record of Calories consumed from the beginning to the current point.

SCAN MODE (Scan Mode)

When in Kcal mode, press "L" then the icon of scan will appear that cycle computer will automatically scan your current active result in different mode from CLOCK ➡ AUTOTIME ➡ MAXSPEED ➡ AVGSPEED ➡ TRIP ➡ TOTALODO ➡ MAXPULSE ➡ AVGPULSE ➡ KCAL. It will automatically switch from one mode to another one every 4 seconds.

⑬

MAINTENANCE

CY-200AP cycle computer

If the display contrast changes and figures become faint, it's time to replace the computer battery. Consider changing the computer sensor and transmitter batteries at the same time.

Note: *Do not expose **CY-200AP** computer to extremely cold or hot temperatures i.e. don't leave your unite in direct sunlight for extended periods of the time.*

Transmitter

Never scrap the rubber electrode surface. The first signs of a worn out transmitter are often erratic heart rate numbers which jump up and down. To extend the life, avoid bending the electrodes.

Sensor

Check the position of sensor and magnet periodically. For current measurement, the sensor, magnet should not get wet/ rust, or it may cause function error.

Bracket/Magnet/Sensor band

The above items can be rinsed in surface fresh water or washed with a mild soap.

Low Battery Indicator

When the battery is at low level, the "▪▪" will appear on the display that remind you to replace a new battery - CR2032 batteries.

- Press "R" key, the HR alarm will show up/ disappear alternatively. The alarm won't sound when speed function is on.

⑭

Battery replacement

Transmitter: Unscrew the battery cover located on the back of the transmitter. Remove the new battery, model CR2032, with the (+) side facing up.
Replace the cover and tighten screws.

CY-200AP computer: Unscrew the back cover. Look closely at the battery. Gently remove the battery and replace it with a new battery model CR2032 with the (+) side facing up.

Sensor: Unscrew the back cover. Look closely at the battery. Gently remove the battery and replace it with a new battery - model CR2032 with the (+) side facing up.

Note: Be careful not to over tighten and strip the casing.

TROUBLESHOOTING

1. Heart rate does not show up:
Make sure that you have good contact between the electrodes and your skin. Re-moisten the electrodes. Make sure your chest belt fits securely and is properly positioned at the center your the chest. The transmitter battery may be worn out. Replace the battery. Make sure the battery is installed correctly with the (+) side facing up.

2. Display is black or very light:
The battery power may be low. Try a new battery to make sure the battery is installed correctly.

3. Display becomes dark or black:
The unit is too hot. Place the unit in a shaded area, and it should return to normal.

4. The unit operates slowly or struggled:
The unit is too cold. Warm the unit, and it should return to normal.

5. Heart rate varies enormously:
Make sure your chest belt fits securely and is properly positioned at the center of the chest.

Check your surroundings for electromagnetic or high energy interference and move away from the source of interference.

6. Data in display shows slowly
It may be affected by low temperature factor but it didn't influence the function reading. When the temperature rises, the data reading/switch will back to the normal.

7. Current speed does not appear
It may be caused by the following situation:
The distance & position between magnet and sensor to adjust.

SPECIFICATIONS

ATM Range: 0~9 (hour): 59 (minute): 59 (Second) Accuracy 1/100 seconds

Timer Range: 0~9 (hour): 59 (minute): 59 (Second)

Current Speed Range: 0~99.9 KM/ 0~62 Mile

Average Speed Range: 0~99.9 KM/ 0~62 Mile

Maximum Speed Range: 0~99.9 KM/ 0~62 Mile

(Trip) Distance Range: 0~999.99 KM/ 0~600 Mile

Odometer Range: 0~9999.9 KM/ 0~6200 Mile

Maximum Heart Rate Range: 30~240 bpm

Average Heart Rate Range: 30~240 bpm

Calories Used Range: 9999 Kcal

	Receiver	Transmitter & belt	Speed Sensor
Heart Rate Range	30 to 240 beats per minute		
Heart Rate Accuracy	± 1 beat per minute		
Operating Temperature	0℃ ~ 40℃	0℃ ~ 40℃	0℃ ~ 40℃
Storage Temperature	-14℃ ~ 10℃	-14℃ ~ 10℃	-14℃ ~ 10℃
Battery	3 volt lithium 2032 cell	3 Volt lithium 2032 cell	3 volt Lithium 2032 cell
Weight	30.6 grams	65 grams ± 5% (Including belt)	20 grams
Emmited Frequence		5KHz± 10%	215KHz± 5%

IMPORTANT Health Notice!

Please read over the following information before using the Cycle Computer.

- Never use the Cycle computer in combination with other medical/ implanted electronic equipment and device (especially heart pacemakers. ECG equipment, TENS equipment, cardio-pulmonary machines and pacemaker).

- If you have a sever illness or pregnant, please consult with your personal doctor before using Cycle computer.

- Keep the device away from. It contains batteries, which might be swallowed by children.

Incorrect Heart rate monitor measurement may be happened in the following groups

- Children aged below 9 years
- Adults aged above 80
- Pregnant women
- Persons with edemas
- Dialysis patients
- Professional athletes or bodybuilders