## Contents

1. Item List 1

2. Operation
   - 2.1. Clock/speed setting mode 2
   - 2.2. How to mount the cycle computer 3
   - 2.3. How to mount the speed sensor 3
   - 2.4. How to mount the magnet 4
   - 2.5. Find out the wheel size 4

3. Nomendature 5

4. Mode Change 6

5. Functionality Setting
   - 5.1. CLK MODE (Clock Mode) 7
   - 5.2. TM MODE (Auto Time Mode) 8
   - 5.3. AVS MODE (Average Speed Mode) 8
   - 5.4. MXS MODE (Maximum Speed Mode) 8
   - 5.5. DST MODE (Distance Mode) 9
   - 5.6. OD1 MODE 9
   - 5.7. OD2 MODE 9
   - 5.8. ODO (Total Odometer Mode) 10
   - 5.9. KCAL MODE (Calorie Mode) 11
   - 5.10. SCAN MODE 12

6. Maintenance 13

7. Battery Replacement 14

8. Troubleshooting 15

9. Specifications 16

10. Limited Warrenty 17

11. Important Health Notice 18

12. Wheel Size Chart 19
Please check that all the following items have been included before starting.

- CY-300 series cycle computer
- Rubber
- Nylon ties
- Speed Magnet
- Bracket
- Stabling Pads
- Sensor
2.1 How to mount the bracket

Use the rubber to tighten the bracket to the handlebar or stem with the nylon ties.
2.2 How to mount the cycle computer

Place the cycle computer on the bracket and secure it in clockwise.

2.3 How to mount the speed sensor

Check the position of the front fork to find the suitable point to attach the speed sensor. The distance between cycle computer & the speed sensor would be with 60 cm.

Mount the sensor with nylon ties on the chosen front fork.
2.4 How to mount the magnet

Secure the Speed Magnet on the spoke of the front wheel with screw. Make sure the magnet side faces the speed sensor zone. The maximum distance between the speed sensor and the magnet on the spoke is 5 mm. Once above items in the right position, the user may go for a ride.

Note. Please make sure everything has been setup correctly before riding the bicycle.

2.5 Find out the wheel size

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 to get the circumference. Or the user can also get wheel circumference by the following equation:

Circumference (mm) = 2 x 3.14 x R (inch) x 2.54  (1 inch = 2.54 cm)
R=Radius in centimeter

The user can refer the “wheel size chart” on page 26 for the wheel size
Chapter 3
Nomenclatur

Current Speed compare to Average Speed. Above/Below

Bike 1 or Bike 2 option in CY-312W and CY-313

Sub Display

Mode Key

Speed Scale Symbol

PM Indicator (Post Meridiem)

Set Key

Current Speed

Compare to Average Speed.
Press Mode key shortly to change mode.

CLK Mode (Clock Mode)
   12/24H and Time switch
   ↓
TM Mode (Auto Time Mode)
   ↓
AVS Mode (Average Speed Mode)
   ↓
MXS MODE (Max Speed Mode)
   (all CY-300 series except CY-307/CY-307W)
   ↓
DST MODE (Distance Mode)
   ↓
OD1 MODE (Odometer 1 Mode)
   (option in CY-312W, CY-313)
   ↓
OD2 MODE (Odometer 2 Mode)
   (option in CY-312W, CY-313)
   ↓
ODO MODE (Total ODO Mode)
   ↓
KCAL MODE (Calories Mode)
   (all CY-300 series except CY-307/CY-307W)
   ↓
SCAN MODE
   (option in CY-317W)
5.1 CLK MODE (Clock Mode)

How to set the Time
Press and hold “SET” key for 3 seconds to go setting clock. Press “SET” key once to adjust 12/24 hours.

Press “MODE” key to adjust time (hour, minute and second).

Hold “MODE” key for 3 seconds to go back to Clock Mode once the setting is finished.
5.2 TM MODE (Auto Time Mode)
Auto Timer would operate automatically when there is motion.

How to reset all data
Press and hold “SET” key for 3 seconds, all exercises results in displayer will return to zero, except odometer.

5.3 AVS MODE (Average Speed Mode)
The average speed from the beginning onwards.

5.4 MXS MODE (Maximum Speed Mode)
The maximum speed from the beginning onwards.

(all CY-300 series except CY-307/CY-307W)

Note. If the time or distance is over the max value (29 hr: 59 min: 59 sec or Distance: 999.99km), it will not be able to measure correct average speed by showing “Err” on the displayer. Once the time & distance value has been reset, the average speed will show normally.
5.5 DST MODE (Distance Mode)

The trip distance accumulated from the beginning onwards.

5.6 OD1 MODE

The odo accumulated from bike 1.
(option in CY-312W, CY-313)

5.7 OD2 MODE

The odo accumulated from bike 2.
(option in CY-312W, CY-313)
5.8 ODO (Total Odometer Mode)

Total odometer accumulated from the beginning onwards.

How to change speed scale, bike1 & bike2, wheel settings and ODO1 (option in CY-312W, CY-313)

Under ODO Mode, press “SET” key for 3 seconds to go to setting.

Press “SET” key again to select Km/H or Mile/H, press “MODE” key to go to Bike1 & Bike2 Setting, then press “SET” key to select Bike1 or Bike2.

Press “MODE” key to go to Wheel Settings. Input the correct wheel size by pressing “SET” key, the range of wheel size from 100mm to 2,999mm.
For users to input previous accumulated ODO after new battery, press “MODE” key to go to ODO1 Setting, input the previous ODO by pressing “SET” key, the range of ODO1 is from 1 to 99999. Hold “MODE” key for 3 seconds to go back to ODO Mode.

5.9 KCAL MODE (Calorie Mode)

It displays the accumulated calories consumed from the beginning of the trip onwards.

Note: This accumulated calories display will return to 0 once it has been clear under the TM MODE.

How to input gender, weight scale and weight

Press “SET” key for 3 seconds to go to gender setting. Press “SET” key again to select MALE or FEMALE, then press “MODE” key to go to Kg or Lb Setting.

Press “SET” key to select preferable Kg or Lb weight scale. Then, press “MODE” key to go to weight input.

Note. This accumulated calories display will return to 0 once it has been clear under the TM MODE.
Press “SET” key to input the actual weight in Kg or Lb. Press and hold “MODE” key for 3 seconds to go back to KCAL Mode.

5.10 SCAN MODE

Under the SCAN MODE, the display will automatically show all modes in circulating loop every 4 seconds, once the speed has been detected. Press any key to stop SCAN feature.
CY-300 Series cycle computer
If the display contrast changes and figures become faint, it’s time to replace the battery. Consider changing the computer sensor and transmitter batteries at the same time.

Note:
*Do not expose CY-300 Series computer to extremely cold or hot temperatures i.e. don’t leave the unit in direct sunlight for extended periods of time.*

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

Bracket / Magnet / Sensor band
These items can be rinsed in surface fresh water or washed with a mild soap.
CY-300 Series computer
Unscrew the back cover. The (+) side should be facing up. Gently remove the battery and replace it with a new battery model Cr2032.

Sensor
Unscrew the back cover. The (+) side should be facing up. Gently remove the battery and replace it with a new battery - model CR2032.
Q1. Display is black or very light:
The battery power may be low. Try a new battery to make sure the battery is installed correctly.

Q2. Display becomes dark or black:
The unit is too hot. Place the unit in a shaded area, and it will return to normal.

Q3. The unit operates slowly or struggled:
The unit is too cold. Warm the unit, and it will return to normal.

Q4. Date in display varies enormously:
Check your surroundings for electro magnetic or high energy interference and move away from the source of interference.

Q5. Data in display shows slowly:
The unit may be affected by low temperature factor but it didn’t influence the function reading. When the temperature rises, the data reading/ witch will back to the normal.

Q6. Current speed does not appear
It may be caused by the following situation: the distance & position between magnet and sensor to adjust or low battery power.
### Specifications

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>0 °C~ 40 °C</th>
<th>0 °C~ 40 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Temperature</td>
<td>-10 °C~ 50 °C</td>
<td>-10 °C~ 50 °C</td>
</tr>
<tr>
<td>Emitted Frequency</td>
<td>N/A</td>
<td>122k ± 5%</td>
</tr>
<tr>
<td>Battery</td>
<td>3 volt lithium 2032 cell</td>
<td>3 volt lithium 2032 cell</td>
</tr>
<tr>
<td>Weight</td>
<td>30.6 grams</td>
<td>20 grams</td>
</tr>
</tbody>
</table>

**Timer Range:** 0~29 (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

**MAX Speed Range:** 0~99.9 KM/ 0~62 Mile

**Trip Distance Range:** 0~999.99 KM/0~600 Mile

**Odometer Range:** 0~999999 KM/ 0~62000 Mile
Chapter 10
Limited Warranty

This product is for two years limited warranty commencing on the date of purchase. The product will be free from defects in material and workmanship for two years 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 (two years) the product will either be repaired or replaced without charge.
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, EKG equipment, TENS equipment, cardio-pulmonary machines and pacemaker.)

• If you are severely ill or pregnant, please consult your doctor before using cycle computer.

• Keep this device away from children. It contains batteries, which might be swallowed by children.

• As with most electronic receiving devices, there can sometimes be interference that causes inaccurate display readouts. Avoid using your cycle computer near common sources of interference. These include high voltage power lines, air conditioning motor units, fluorescent lights, wristwatches, mobiles, and computers.
# Chapter 12

## Wheel Size Chart

<table>
<thead>
<tr>
<th>Tire Scale</th>
<th>L (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 x 1.50</td>
<td>1020</td>
</tr>
<tr>
<td>14 x 1.75</td>
<td>1055</td>
</tr>
<tr>
<td>16 x 1.50</td>
<td>1185</td>
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<td>18 x 1.50</td>
<td>1340</td>
</tr>
<tr>
<td>20 x 1.75</td>
<td>1515</td>
</tr>
<tr>
<td>20 x 1-3/8</td>
<td>1615</td>
</tr>
<tr>
<td>20 x 1-3/8</td>
<td>1770</td>
</tr>
<tr>
<td>22 x 1-1/2</td>
<td>1785</td>
</tr>
<tr>
<td>24 x 1</td>
<td>1753</td>
</tr>
<tr>
<td>24 x 3/4 Tubular</td>
<td>1785</td>
</tr>
<tr>
<td>24 x 1-1/8</td>
<td>1795</td>
</tr>
<tr>
<td>24 x 1-1/4</td>
<td>1905</td>
</tr>
<tr>
<td>24 x 1.75</td>
<td>1890</td>
</tr>
<tr>
<td>24 x 2.00</td>
<td>1925</td>
</tr>
<tr>
<td>24 x 2.125</td>
<td>1965</td>
</tr>
<tr>
<td>26 x 7/8</td>
<td>1920</td>
</tr>
<tr>
<td>26 x 1(59)</td>
<td>1913</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tire Scale</th>
<th>L (mm)</th>
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<tr>
<td>26 x 1(65)</td>
<td>1952</td>
</tr>
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<td>26 x 1.25</td>
<td>1953</td>
</tr>
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<td>26 x 1-1/8</td>
<td>1970</td>
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<td>2068</td>
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<tr>
<td>26 x 1-1/2</td>
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<tr>
<td>27 x 1-3/8</td>
<td>2169</td>
</tr>
<tr>
<td>Tire Scale</td>
<td>L (mm)</td>
</tr>
<tr>
<td>---------------</td>
<td>--------</td>
</tr>
<tr>
<td>650 x 35A</td>
<td>2090</td>
</tr>
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<td>650 X 38A</td>
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