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Chapter 1
Item list

Please check that all the following items have been included with your cycle computer before starting.

- CY-500 series cycle computer
- Bracket
- Nylon ties
- Battery Cover
- Cadence & Speed Sensor
- Magnet
- Stabling Pads

Chapter 2
Operation

2.1 attaching bracket on the handle bar

(1) Cycle Computer, Bracket, Rubber Stabling Pads
(2) Bracket, Nylon Ties
(3) Installation process
2.2 Attaching speed sensor/magnet on bicycle

Please check for green light on the Speed sensor to make sure 2 devices operated normally when riding your bicycle for the first time.

Note: Please rotate the wheel to check the sensor and magnet installation, initial flashing green light indicates the sensor detected magnet signals normally.

2.3 Wearing the chest belt for heart rate function

The transmitter should be positioned right below the breasts/pectoral muscles. The strap should be comfortable, but secure.

Note: Transmitter will automatically get into “wake up” mode after the user wear it.
Chapter 3
Nomenclatur

Chapter 4
Main Screen Display

Bicycle Computer
Prior to the use of this device, it is important to pre-set the basic settings in order to gain accurate and useful information.

5.1 Setting Key Functions

- Press \( M \) key to get into clock/speed mode.
- Under any clock/speed functions, press \( S \) key for 3 seconds.

5.1.1 KM/H or ML/H

The user can select the unit for speed which will be displayed on the screen.

- Under KM/H or ML/H, press \( C \) key or \( H \) key to switch.
- Press \( M \) key to go to the next setting.

5.1.2 TIMER COUNT UP or TIMER COUNT DOWN

The user can select TIMER COUNT UP or TIMER COUNT DOWN. After the selection of speed scale, COUNT UP / COUNT DOWN will display.

- Under TIMER COUNT UP or TIMER COUNT DOWN, press \( C \) key or \( H \) key to switch.
- Under TIMER COUNT DOWN, press \( M \) key to set up timer for TIMER COUNT DOWN.
- Press \( H \) key or \( C \) key to adjust number.
- Press \( M \) to go to the next setting.
5.1.3 TRIP COUNT UP or TRIP COUNT DOWN

The user can select TRIP COUNT UP or TRIP COUNT DOWN in the setting mode. After selecting the function, it (TRIP UP / TRIP DOWN) will display.

- Under TRIP COUNT UP or TRIP COUNT DOWN, press [C] key or [H] key to switch.

- Under TRIP COUNT DOWN, press [M] key to set up distance for TRIP COUNT DOWN.
- Press [H] or [C] key to adjust number.
- Press [M] to go to the next setting.

Note: The range of distance (0~999.99 KM/H and 0~624.99 M/H)

5.1.4 CLOCK

Under SET CLOCK

- Press [H] key or [C] key to adjust number (12H, 24H, hour, minute, second).
- Press [M] to go to the next setting.

5.1.5 BIKE 1 or BIKE 2

CY-528H has two bike settings, it allows the user to set two different bike wheel sizes.

Under BIKE 1 or BIKE 2
- Press [H] key or [C] key to adjust number
- Press [M] to go to the next setting.

5.1.6 WHEEL SIZE

To get the accurate result from the device for speed value or other information, the wheel size must be correct. Mark the symbol on the tire and ride one circle. Then measure the length between two points that result comes out. Or determine the wheel circumference by the following equation:

Circumference (mm) = 2x3.14xR (inch) x 2.54 (1 inch = 2.54 cm)

R=Radius in centimeter

Please also refer the “wheel size chart” on the last page to find the wheel size.

Under WHEEL SIZE
- Press [H] key or [C] key to adjust number
- Press [M] to go to the next setting.
5.1.7 TEMPERATURE

The user can select temperature unit (°C or °F) that will be display on the screen.

Under Temperature
• Press A key or C key to adjust number.
• Press M to transfer next setting!

5.1.8 Set Sex

Under Set Sex
• Press H or C key to adjust symbol of male or female.
• Press M to go to the next setting.

5.1.9 Set KG or LB

Under Set KG or LB
• Press H or C key to adjust weight symbol.
• Press M to go to the next setting.

5.1.10 Set Weight

Under Set Weight
• Press H or C key to adjust number.
• Press M to go to the next setting.

5.1.11 LANGUAGE

CY-528H offers 5 different languages (ENGLISH, FRANCAIS, DEUTSCH, ITALIANOL, ESPANOL) for the user to choose, after selecting the preferred language, all the displays will change to the chosen language.

Under LANGUAGE
• Press H or C key to switch language.
• Press M to go to the next setting or press S key for 3 seconds to exit setting mode.

Note: under any setting mode, the user may press S for 3 seconds to exit setting mode.
5.2 HR Target Zone Setting Mode

Target zone will vary for each individual user depending on age, personal fitness goals, existing health considerations (high blood pressure, circulation or respiration), medications and doctor’s recommendations.

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

5.2.1 SET 💚 TZ

- Press key to access heart rate function mode.
- Under any heart rate function, press key for 3 seconds.

Under the SET 💚 TZ
- Press key to adjust the maximum heart rate limit.
- Press key to go into minimum heart rate setting.
- Press key to adjust the minimum heart rate limit.
- Press key to go to the next setting.

5.2.2 AGE

To get more accurate target zone result, it is necessary to set up the user’s age.

Under AGE
- Press key to adjust the age.
- Press key to go to the next setting or press key for 3 seconds to exit setting mode.

Note: under any setting mode, the user may press key for 3 seconds to exit setting mode.
Chapter 6
Basic Functions Indication

6.1 Heart Rate Functions

- Press [H] key to go to heart rate functions.

SCREEN DISPLAY CHANGES

6.1.1 AVERAGE PULSE  
Displays the average measured pulse.

6.1.2 MAXIMUM PULSE  
Displays the maximum measured pulse.

6.1.3 MAXIMUM PULSE %  
Displays the maximum measured pulse in %.

6.1.4 HR  
Displays time spent for heart rate.  
Heart rate time will be recorded after wearing chest belt and starts to ride bicycle.
6.1.5 **OVER TIME**
Displays amount of time that is over the user's target zone.

6.1.6 **HR TM**
Displays amount of time spent within the user's target zone.

6.1.7 **BELOW TIME**
Displays amount of time that is below the user's target zone.

6.2 Mode Key Function

- Press key to go to heart rate functions.

**SCREEN DISPLAY CHANGES**
6.2.1 STOP WATCH
The user can press C key to start or stop stopwatch.
To clear the time by holding C key for 5 seconds.

6.2.2 TIMER COUNT UP/TIMER COUNT DOWN
Timer count up: The timer will increase once the user starts to ride bicycle.
Timer count down: The timer will decrease towards zero once the user starts to ride bicycle.
The user can set up the count down time in the setting mode.

NOTE: The user can select count up or count down in the setting mode. After selecting the display method, it (TIMER COUNT UP / TIMER COUNT DOWN) will display.

6.2.3 TRIP TIME
Displays the user’s trip time from the beginning to the current point.

6.2.4 AVERAGE SPEED
Displays the user’s average speed from the beginning to the current point.

6.2.5 MAXIMUM SPEED
Displays the user’s maximum speed from the beginning to the current point.

6.2.6 TIME BIKE 1
Displays the total riding time for Bike.
6.2.7 TIME BIKE 2
Displays the total riding time for Bike2

6.2.8 TOTAL TIME
Displays the total riding time (Bike 1 + Bike 2)

6.2.9 TRIP COUNT UP/TRIP COUNT DOWN
Trip count up: The distance will increase once the user starts to ride bicycle.
Trip count down: The distance will decrease once the user starts to ride bicycle.
The user can set up the count down distance in the setting mode.

NOTE: The user can select count up or count down in the setting mode. After selecting the display method, it (TRIP COUNT UP / TRIP COUNT DOWN) will display.

6.2.10 TRIP DISTANCE
Displays the user’s trip distance from the beginning to the current point.

6.2.11 ODO BIKE 1
Displays the odometer under first wheel size.

6.2.12 ODO BIKE 2
Displays the odometer under second wheel size.

NOTE: The ODO number can only be cleared by replacing battery.
6.2.13 TOTAL ODO
Displays the total odometer of bike1 + bike 2

NOTE: The ODO number can only be cleared by replacing battery.

6.2.14 KCAL

6.3 Clear Functions
Pressing \(\text{C}\) key (clear button) to clear all the numbers to zero.

Clear the measured value for TIMER COUNT UP/DOWN function
Under TIMER COUNT UP press \(\text{C}\) key for 3 seconds will return to zero.
TIMER COUNT DOWN press \(\text{C}\) key for 3 seconds will return to default.

Clear the measured value for TRIP COUNT UP/DOWN function
Under TRIP COUNT UP press \(\text{C}\) key for 3 seconds will return to zero.
TRIP COUNT DOWN press \(\text{C}\) key for 3 seconds will return to default.
Clear the measured value for speed function

Under TRIP TIME, press key for 3 seconds.
TRIP TIME, AVG. SPEED, MAX. SPEED, TRIP DIST, AVG. PULSE, MAX. PULSE, MAX PULSE %, PULSE TM, Target Zone (ABOVE, IN ZONE, BELOW) will return to zero.

Clear the measured value for Pulse functions

Under HR TM, press key for 3 seconds.
AVG. PULSE, MAX. PULSE, MAX. PULSE %, HR TM, Target Zone (ABOVE, IN ZONE, BELOW) will return to zero!

In CY-528, a sign of low power under any mode will show to indicate low battery.

Low power for speed sensor if this symbol appears
Low power for chest belt if this symbol appears
Low power for computer if this symbol appears

CY-500 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.
Chapter 9
Troubleshooting

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 electromagnetic 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.

Chapter 11
Specifications

<table>
<thead>
<tr>
<th></th>
<th>Receiver</th>
<th>Speed Censor / Cadence</th>
<th>Transmitter &amp; Belt</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>0 ºC~ 40 ºC</td>
<td>0 ºC~ 40 ºC</td>
<td>0 ºC~ 40 ºC</td>
</tr>
<tr>
<td><strong>Storage Temperature</strong></td>
<td>-10 ºC~ 50 ºC</td>
<td>-10 ºC~ 50 ºC</td>
<td>-10 ºC~ 50 ºC</td>
</tr>
<tr>
<td><strong>Emitted Frequency</strong></td>
<td>2.4GHz</td>
<td>2.4GHz ± 5%</td>
<td>2.4GHz ± 10%</td>
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<td><strong>Battery</strong></td>
<td>3 volt lithium 2032cell</td>
<td>3 volt lithium 2032cell</td>
<td>3 volt lithium 2032cell</td>
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<tr>
<td><strong>Weight</strong></td>
<td>30.6 grams</td>
<td>20 grams</td>
<td>65 grams ± 10% (including belt)</td>
</tr>
</tbody>
</table>

Stopwatch Range: 0~29 (hour): 59 (minute): 59 (Second)

Accuracy 1/100 seconds

Timer Range: 0~29 (hour): 59 (minute): 59 (Second)

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

AVG 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: 0~99999 KM/ 0~62000 Mile
Chapter 11
Limited Warranty

This product is for three years limited warranty commencing on the date of purchase. The product will be free from defects in material and workmanship for three 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 (three years) the product will either be repaired or replaced without charge.

Chapter 12
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, 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 13
### Wheel Size Chart

<table>
<thead>
<tr>
<th>Tire Scale</th>
<th>L (mm)</th>
<th>Tire Scale</th>
<th>L (mm)</th>
<th>Tire Scale</th>
<th>L (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 x 1.50</td>
<td>1020</td>
<td>26 x 1(65)</td>
<td>1952</td>
<td>650 x 35A</td>
<td>2090</td>
</tr>
<tr>
<td>14 x 1.75</td>
<td>1055</td>
<td>26 x 1.25</td>
<td>1953</td>
<td>650 X 38A</td>
<td>2125</td>
</tr>
<tr>
<td>16 x 1.50</td>
<td>1185</td>
<td>26 x 1-1/8</td>
<td>1970</td>
<td>650 X 38B</td>
<td>2105</td>
</tr>
<tr>
<td>16 x 1.75</td>
<td>1195</td>
<td>26 x 1-3/8</td>
<td>2068</td>
<td>700 X 18C</td>
<td>2070</td>
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<td>18 x 1.50</td>
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<td>26 x 1-1/2</td>
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<td>700 X 19C</td>
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<td>700 X 23C</td>
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