Bicycle Computer

BV-W17

Manual

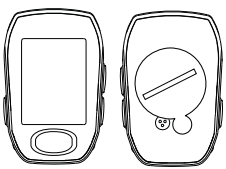
E

Contents

Chapter 1

Item list

Please check that all the following items have been included before starting.

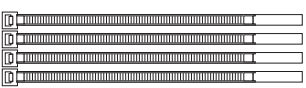


CY-300 series cycle computer

Rubber

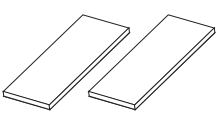
Speed Magnet

Cadence Magnet

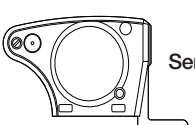


Nylon ties

Bracket



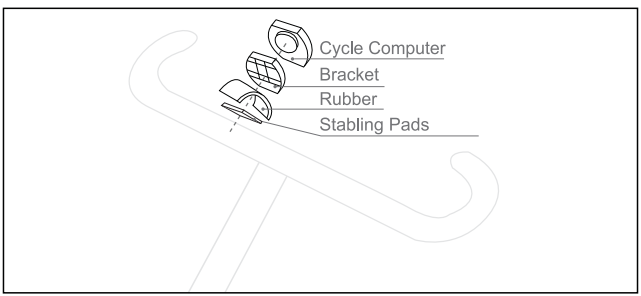
Stabling Pads

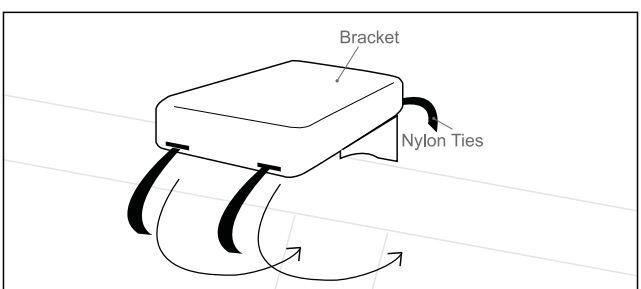


Sensor

Chapter 2
Operation

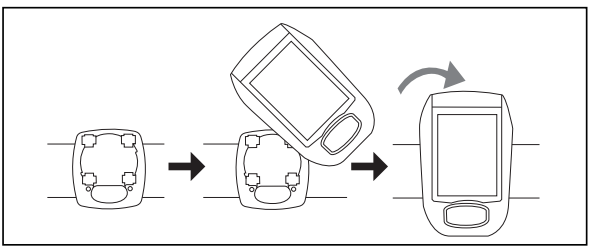
2.1 How to mount the bracket





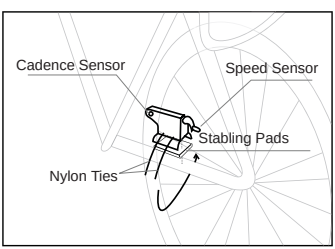
Use the rubber to tighten the bracket to the handlebar or stem with the nylon ties.

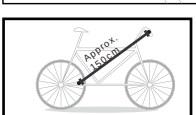
2.2 How to mount the cycle computer



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

2.3 Installing the Cadence & Speed Sensor

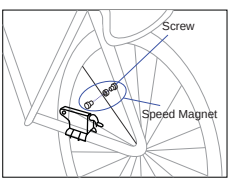


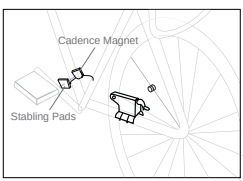


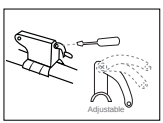
Mount the sensor on top of the left chain stay with long nylon ties, make sure the cadence side face the front and speed side face the back. The distance between the sensor and the cycle computer would approximately be 150 cm.

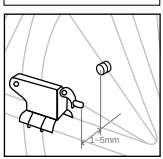
2.4 How to mount the magnet

Secure the Speed Magnet on the spoke of the back 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.



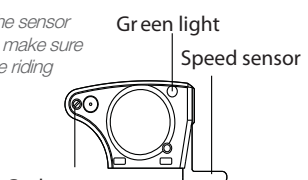






Secure the Cadence Magnet on the inner side of crank and make sure the magnet side faces the cadence sensor zone. The maximum distance between the cadence sensor and the magnet on the crank is 5 mm. Once above items are in the right position, the user may go for a ride.

Note: Initial flashing green light indicates the sensor detected magnet signals normally. Please make sure everything has been setup correctly before riding the bicycle.



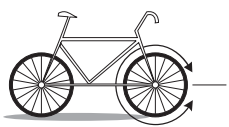
2.5 Find out the wheel size

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:

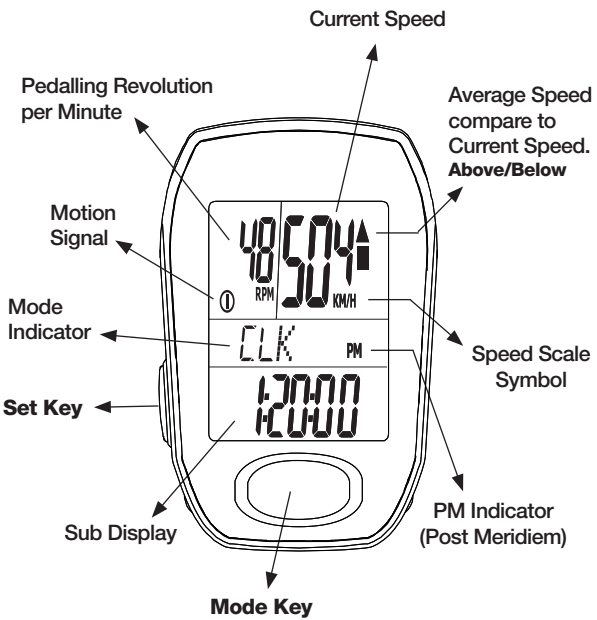
Circumference (mm) = 2 x 3.14 x R (inch) x 2.54 (1 inch = 2.54 cm)
R=Radius in centimeter

The user can refer the “wheel size chart” on page 21 for the wheel size



Chapter 3

Nomenclatur



Chapter 4

Mode Change

Press Mode key shortly to change mode.

CLK Mode (Clock Mode)
12/24H and Time switch
↓
TM- or TM+ MODE(Count Down/Up Mode)
↓
T. TM MODE (Trip Time Mode)
↓
AVS MODE (Average Speed Mode)
↓
MXS MODE (Max Speed Mode)
↓
DST MODE (Distance Mode)
↓
ODO MODE (Total ODO Mode)
↓
T.CAD MODE (Trip Cadence Mode)
↓
A.CAD MODE (Average Cadence Mode)
↓
M.CAD MODE (Maximum Cadence Mode)
↓
KCAL MODE (Calories Mode)
↓
SCAN MODE (Scan Mode)

Chapter 5

Functionality Setting

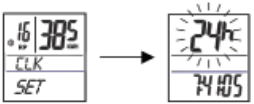
5.1 ID SCAN MODE (Pair up)

How to pair up the cycle computer with speed/cadence sensor

Under any mode, press and hold “Set & Mode” keys for 3 seconds to go ID scan. Kindly place the sensor at maximum allowable distance within 150 cm to the cycle computer. It will pair up the cycle computer to the speed/ cadence sensor automatically. When the percentage shows 100% means scan completed. ID scan is failed if “Err” sign shows after scan completed. The user can press “Set” key again to scan again, or hold “Mode” key to exit ID Scan mode. ID scan will automatically exit after 30 seconds.

5.2 CLK MODE (Clock Mode)

How to set the Time



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

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

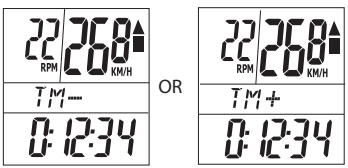
Press “SET” key to adjust timer count down or count up (hour and minute).

The timer will be in COUNT UP if setting is 0:00:00, otherwise it will be in COUNT DOWN. The TM+ will repeat with flashing digits if it reaches up to 9:59:59. The TM- will also repeat with flashing digits when the time set has run out.

Hold “MODE” key for 3 seconds to go back to Clock Mode once the setting is finished.

5.3 TM - or TM + MODE (Timer Count Down or Up)

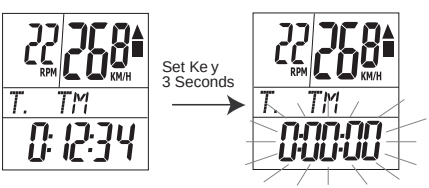
Timer Count Down and Count Up will depend on users' prior setting in Clock Mode.



The timer will be in COUNT UP if setting is 0:00:00, or it will be in COUNT DOWN. The TM+ will repeat with flashing digits if it reaches up to 9:59:59. The TM- will also repeat with flashing digits when the time set has run out.

5.4 T. TM MODE (Trip Time Mode)

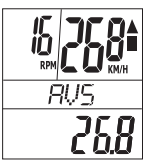
Trip Timer would operate automatically when the bike is in motion.



How to reset all data

Press and hold "SET" key for 3 seconds, all exercises results in displayer will return to zero, except odometer.

5.5 AVS MODE (Average Speed Mode)



The average speed from the beginning onwards.

5.6 MXS MODE (Maximum Speed Mode)

The maximum speed from the begging onwards.

5.7 DST MODE (Distance Mode)

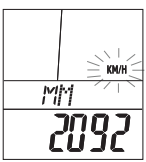
The trip distance accumulated from the beginning onwards.

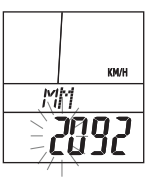
Note. If the time or distance is over the max value (29 hr: 59 min: 59 sec or Distance: 999.99km), It will not be able to measure correct average speed by showing "Err" on the displayer. Once the time & distance value has been reset, the average speed will show normally.

5.8 ODO (Total Odometer Mode)

Total odometer accumulated from the beginning onwards.

Note: CY-517C will keep the value of ODO (Total Odometer) in the memory even after the user changes new battery. You can't set your last value of ODO. This value cannot be erased by the clear function unless apply default setting.

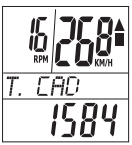




How to change speed scale and wheel settings

- 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 Wheel Settings.
- Input the correct wheel size by pressing "SET" key, the range of wheel size from 100mm to 2,999mm.
- Hold "MODE" key for 3 seconds to go back to ODO Mode. (Refer to Wheel Size Chart)

Note: CY-517C will keep the value of ODO (Total Odometer) in the memory even after the user changes new battery. The ODO value cannot be erased by the clear function unless apply default setting.



T. CAD
(Trip Cadence Mode)
Trip cadence (pedals revolution per minute) accumulated from the beginning onwards.

M. CAD
(Maximum Cadence Mode)
Maximum cadence (pedals revolution per minute) from the beginning onwards.

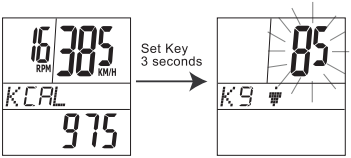
A. CAD
(Average Cadence Mode)
Average cadence (pedals revolution per minute) from the beginning onwards.

5.9 KCAL MODE (Calorie mode)

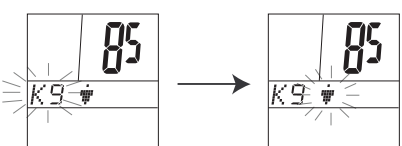
It displays the accumulated calories consumed from the beginning of the trip onwards.

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 setting mode.
Press “SET” key again to input weight in numbers, 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 Gender Setting.
Press “SET” key to select Male or Female gender.
Press and hold “MODE” key for 3 seconds to go back to KCAL Mode.

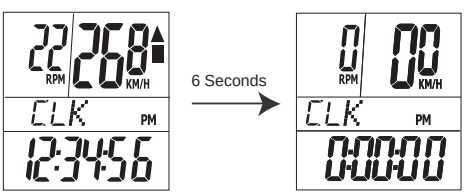
5.10 SCAN MODE

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.

5.11 DEFAULT SETTINGS

The Default Settings will clear all the measured value except ID CODES. Under any “Setting modes” (Clock setting, Odo setting or Calorie setting), press and hold all “MODE” & “SET” keys at the same time for 6 sec until all the values return to default values.

The default setting will keep the ID Code after all the default values.



Chapter 6

Maintenance

CY-517C 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-517C 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.

Chapter 7

Battery Replacement

CY-517C 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 8

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 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.

Chapter 9

Specifications

	Receiver	Speed Censor / Cadence
Operating Temperature	0 ºC~ 40 ºC	0 ºC~ 40 ºC
Storage Temperature	-10 ºC~ 50 ºC	-10 ºC~ 50 ºC
Emitted Frequency	N/A	122k ± 5%
Battery	3 volt lithium 2032 cell	3 volt lithium 2032 cell
Weight	30.6 grams	20 grams

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

Current Speed Range: 0~99.9 KM/ 0~62.4 Mile

average Speed Range: 0~99.9 KM/ 0~62.4 Mile

MAX Speed Range: 0~99.9 KM/ 0~62.4 Mile

(Trip) Distance Range: 0~999.99 KM/0~624.99 Mile

Odometer Range: 0~99999 KM/ 0~62499 Mile

KCAL: 0~99999 kcal

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.

Chapter 11

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 12

Wheel Size Chart

Tire Scale	L (mm)
14 x 1.50	1020
14 x 1.75	1055
16 x 1.50	1185
16 x 1.75	1195
18 x 1.50	1340
20 x 1.75	1515
20 x 1-3/8	1615
20 x 1-3/8	1770
22 x 1-1/2	1785
24 x 1	1753
24 x 3/4 Tubular	1785
24 x 1-1/8	1795
24 x 1-1/4	1905
24 x 1.75	1890
24 x 2.00	1925
24 x 2.125	1965
26 x 7/8	1920
26 x 1(59)	1913
26 x 1(65)	1952

Tire Scale	L (mm)
26 x 1.25	1953
26 x 1-1/8	1970
26 x 1-3/8	2068
26 x 1-1/2	2100
26 x 1.40	2005
26 x 1.50	2010
26 x 1.75	2023
26 x 1.95	2050
26 x 2.00	2055
26 x 2.10	2068
26 x 2.125	2070
26 x 2.35	2083
26 x 3.00	2170
27 x 1	2145
27 x 1-1/8	2155
27 x 1-1/4	2161
27 x 1-3/8	2169
28 x 1.3/8	2205
28 x 1.75	2268

Tire Scale	L (mm)
650 x 35A	2090
650 X 38A	2125
650 X 38B	2105
700 X 18C	2070
700 X 19C	2080
700 X 20C	2086
700 X 23C	2096
700 X 25C	2105
700 X 28C	2136
700 X 30C	2170
700 X 32C	2155
700C Tubular	2130
700 X 35C	2168
700 X 38C	2180
700 X 40C	2200

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