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> V1.20HR <

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Cycle Computer-V1.20HR

Congratulation!

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

V1.20HR 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. V1.20HR is a premier cycle computer for your challenge ride. With the wireless technology, users can enjoy their cycling.

Before use V1.20HR, please read through the manual that guides you on how to operate it correctly & quickly. V1.20HR offers you very useful features to customize your exercise.

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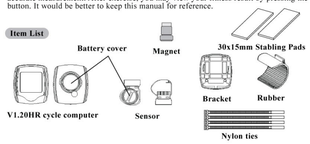
V1.20HR offers you very useful features to customize your exercise and gain the best & accurate measurement. After exercise, you may view your fitness result by pressing the button. It would be better to keep this manual for reference.

Item List



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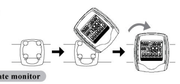
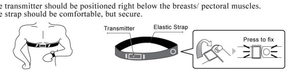
How to fit the bracket



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.



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Note: Do not use V1.20hr near high voltage power cables .

Training Areas:

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

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.

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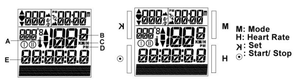

A.Average Speed Symbol lf Upper/ Lower Current Speed
B.Current Speed Display
C.Speed Scale Symbol Km/h or Mile/h
D.PM indicator
E.Sub Display

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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 (Ccm) = 2x3.14xR (inch) x2.54
(1 inch = 2.54 cm)
R=Radius in centimeter

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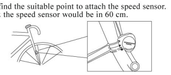
2)Installing the Bracket

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

3)Installing the Speed Sensor

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



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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.

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Mode Change

Press Mode key shortly to change mode.

1) Main Mode Change (Press "M" key to switch each mode) STOPWATCH/CLOCK Mode
2) TRIP TIME Mode
3) MAXIMUM SPEED Mode
4) AVERAGE SPEED Mode
5) TRIP DISTANCE Mode
6) ODOMETER BIKE 1 Mode
7) ODOMETER BIKE 2 Mode
8) TOTAL ODOMETER Mode

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Heart Rate Mode

(press "H" key to enter HEART RATE MODE)

1) HRSTM MODE (Heart Rate Stopwatch Mode)
2) PULSE MODE (Heart Rate over Zone Mode)
3) PULSE MODE (Heart Rate in Zone Mode)
4) PULSE MODE (Heart Rate below Zone Mode)
5) MAX. PULSE MODE (Max. Heart Rate Mode)
6) AVG. PULSE MODE (Average Heart Rate Mode)

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OPERATION PROCESS

STOPWATCH Mode

The user press Start/Stop key to start stopwatch, and press Start/Stop key again to stop stopwatch; to clean the data by holding Start/Stop key for 3 seconds.
The user can press Mode key to read average speed.

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Heart Rate Mode

Press "H" key to enter Heart Rate Mode to review the user's record, The record shows user's data within target zone, over target zone , below target zone, maximum heart and average heart rate,

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Under STOPWATCH Mode, the user hold SET key for 3 seconds to enter CLOCK Mode. The user presses SET key to switch 12/24 Hour, and press MODE key to go to set up HOUR and MINIMUM. To adjust number of HOUR and MINIMUM by pressing SET key. Hold MODE key for 3 seconds to return STOPWATCH mode.

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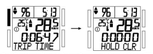
TRIP TIME MODE



The user holds SET key for 3 seconds to clear the data, including TRIP TIME, AVERAGE SPEED, MAX SPEED, TRIP DIST.

The user presses M key to return TRIP DIST 1.

MAX SPEED MODE

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

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AVG SPEED MODE

It would display user's Average Speed from the beginning to the current point.

Note: If the average speed is above/below current speed, the symbol of would show up.
Note: If your time or distance is over the max. value (time 29 hr:59 min:59sec) & (Distance: 999.99km), it will not be able to measure correct average speed. It will show "Err" on the display. Once the time and distance value has been reset, the average speed will show normally.

It displays the trip distance.

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ODOMETER/ TOTAL ODOMETER Mode

In ODOMETER/ TOTAL ODOMETER Mode, it shows the KM/ H, Temperature, Heart Rate, and ODOMETER/ TOTAL ODOMETER

In ODOMETER / TOTAL ODOMETER Mode, press MODE key to change ODO 1/ ODO 2/ TOT ODO

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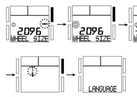

Under ODO mode, the user can press and hold SET key 3 seconds to set up "Speed unit", "Wheel Size", "Temperature unit", and "Languages" The user presses MODE key to change "Speed unit" , "Wheel Size", "Temperature unit", and "Languages".
The user presses SET key to set up the value of "Speed unit", and "Wheel Size", select ¢J/ ¢K for"Temperature unit" and set up preferred language. The user press and hold MODE key to go to TOTAL ODOMETER

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MAINTENANCE

V1.20HR 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 V1.20HR computer to extremely cold or hot temperatures i.e. don't leave your unit in direct sunlight for extended periods of the 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
The above items can be rinsed in surface fresh water or washed with a mild soap.

Transmitter
Never scrap the ruber electrode surface. The first signs of a worn out transmitter often causes abnormal display for heart rate monitor, whose figure will jump up and down quickly. To extend the life, avoid bending the electrodes.

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Battery replacement

Battery life: CR2032 x1 / approx. 10 months (when using 1 hour/day)

ATTENTION: At a break during your ride the receiver will be switched off after 30 minutes (battery consumption). Before continuing your ride your need to switch on the Computer again, press MODE button.

V1.20HR computer:
Unscrew the back cover. Look closely at the battery. Gently remove the battery and replace it with a new battery model CR2032. 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. the (+) side facing up.
Warining : All the datas will be lost when the battery replaced !

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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 balck:
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.

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

Q7. 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 power apparatus and move away the source of interference.from

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SPECIFICATIONS

	Receiver	Speed Sensor	Transmitter & belt
Operating Temperature	0℃~ 40℃	0℃~ 40℃	0℃~ 40℃
Storage Temperature	-10℃~ 50℃	-10℃~ 50℃	-10℃~ 50℃
Emitted Frequency	N/A	122kHz±5%	5kHz±10%
Battery	3 volt lithium 2032 cell	3 volt lithium 2032 cell	3 volt lithium 2032 cell
Weight	30.6 grams	20 grams	65 grams±5% (including belt)

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Stopwatch 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
Max Heart Rate Range:	30~240 bpm
AVG Heart Rate Range:	30~240 bpm
Average Speed Range:	0~99.9 KM/ 0~62 Mile
Maximum Speed Range:	0~99.9 KM/ 0~62 Mile

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(Trip) Distance Range:	0~999.99 KM/ 0~600 Mile
Odometer Range:	0~9999.9 KM/ 0~6200 Mile

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 comm ercial use.
- Warranty is void if the repairs are done by non authorized service technician.

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- 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.

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 eq uipment, cardio-pulmonary machines and pacemaker.)
- If you are severely ill or pregnant, please consult your doctor before using cycle computer.

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- 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.

Distance and Angle for Receiver

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Wheel Circumference

Tire Size	L(mm)	Tire Size	L(mm)
14 x 1.50	1020	24 x 1-1/4	1905
14 x 1.75	1055	24 x 1.75	1890
16 x 1.50	1185	24 x 2.00	1925
16 x 1.75	1195	24 x 2.125	1950
16 x 1.95	1340	24 x 2.35	1920
18 x 1.75	1350	26 x 1.0 (559)	1913
20 x 1.75	1515	26 x 1.(165)	1952
20 x 1-3/8	1515	26 x 1.25	1953
22 x 1-3/8	1770	26 x 1-1/8	1970
22 x 1-1/2	1785	26 x 1-3/8	2068
24 x 1	1753	26 x 1-1/2	2100
24 x 3/4 Tubular	1785	26 x 1.40	2005
24 x 1-1/8	1795	26 x 1.50	2010
26 x 1.75	2023	650 X 38B	2105
26 x 1.95	2020	700 X 18C	2070
26 x 2.00	2055	700 X 19C	2080
26 x 2.10	2068	700 X 20C	2086
26 x 2.125	2070	700 X 23C	2096
26 x 2.35	2083	700 X 25C	2105
26 x 3.00	2170	700 X 28C	2135
27 x 1	2145	700 X 32C	2170
27 x 1-1/8	2155	700 X 38C	2155
27 x 1-1/4	2161	700C Tubular	2130
27 x 1-3/8	2169	700 X 35C	2168
650 x 19-A	2080	700 X 38C	2180
650 X 38A	2125	700 X 45C	2200