



**Cycle Computer-V1.20A**

Congratulations!

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.

V1.20A 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.

V1.20A is a premium cycle computer for your challenge ride. Altitude functions with the wireless technology, users can enjoy their cycling and riding ascending as well.

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

**Item List:** V1.20A cycle computer, air pressure sensor, Speed Sensor, Bracket, Rubber Magnet, Stabbing Pads, Nylon ties, Battery cover.

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**How to fit the bracket**

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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:

$$\text{Circumference (mm)} = 2\pi \times 14R \text{ (inch)} \times 2.54$$

$$1 \text{ inch} = 2.54 \text{ cm}$$

$$R = \text{Radius in centimeter}$$

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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 fork 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 for Main Mode**  
Press A Mode Forward key or V Mode Backward Key shortly to change mode.

(Press M key to switch each mode)

- 1) CLOCK MODE
- 2) TRIP TIME MODE
- 3) MAX. SPEED MODE (Average Speed Mode)
- 4) AVG. SPEED MODE
- 5) TRIP DIST MODE (Trip Distance Mode)
- 6) ODO BIKE 1 MODE (Odometer Bike 1 Mode)
- 7) ODO BIKE 2 MODE (Odometer Bike 2 Mode)
- 8) TOT. ODO MODE (Total Odometer Mode)

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**OPERATION PROCESS CLOCK MODE**

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**TRIP TIME MODE**

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**MEASURE MODE MAX. SPEED MODE**

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**MEASURE MODE MAX. SPEED MODE**

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

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**AVG SPEED MODE**

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**ODO BIKE 2 MODE**

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**MODE SETTING FOR TOT. ODO**

Press A Mode Forward key or V Mode Backward Key to switch until TOT. ODO\* display.

Under "TOT. ODO" press and hold "SET Key" for 3 sec (Press "MODE" key to switch each mode) "KM/H" or "MI/H" MODE

BIKE 1 or BIKE 2 MODE

WHEEL SIZE MODE

ODO BIKE 1 or ODO BIKE 2 MODE

ALTI BIKE 1 or ALTI BIKE 2 MODE

Temperature F/MODE  
LANGUAGE F/MODE

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**OPERATION PROCESS**

Press Mode A until the screen display "TOT. ODO" Under "TOT. ODO", press and hold "SET Key" for 3 sec will get into WHEEL SIZE SETTING MODE

Press "forward key" wheel size in thousands will flash. Press "SET Key" to adjust the number (0-9)

Press "Mode forward key" wheel size in hundreds will flash. Press "SET Key" to adjust the number (0-9)

Press "Mode forward key" wheel size in tens will flash. Press "SET Key" to adjust the number (0-9)

Press "Mode forward key" wheel size in one will flash. Press "SET Key" to adjust the number (0-9)

Note: Set the wheel size from 100mm to 2,999mm. If pressing Mode forward after adjusting wheel size shows Err it means your wheel size did not adjust correctly.

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**ODO BIKE 1 SETTING MODE**

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**ODO BIKE 1 SETTING MODE**

Press "MODE Key" to change ODO BIKE1 MODE. Press "SET Key" to adjust next number.

After adjusting all the number press Mode Forward to jump to ALTI BIKE 1

**ALTI BIKE 1 SETTING MODE**

Press "SET Key" to select "C" or "F"

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**LANGUAGE SETTING MODE**

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**ACT. ALTI. MODE**

Press Mode forward to 1 or 2 will flash.

Press SET Key to select BIKE 2

Note: To set BIKE 2, please follow the previous steps for setting bike 1

**How to use Altitude**

The V1.20A uses barometric pressure to measure the altitude. It can convert the data of current barometric pressure into the respective altitude.

Note: Please Do not insert any sharp objects into the measurement hole. These holes must always stay open and clean.

**The Home Altitude**

The "Home Altitude" is the altitude of your start location/home or start point. This value can be found by maps, internet or newspaper. Once the value is entered into V1.20A, it can be calculated automatically. The accurate calculation of altitude requires the precise information of home altitude.

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**ACT. ALTI. MODE**

Press "ACT. ALTI. MODE" key to change to ACT. ALTI. MODE.

Press "MAX. ALTI. MODE" key to change to MAX. ALTI. MODE.

Press "TRIP CLIMB MODE" key to change to TRIP CLIMB MODE.

Press "ALTI. BIKE 1 MODE" key to change to ALTI. BIKE 1 MODE.

Press "ALTI. BIKE 2 MODE" key to change to ALTI. BIKE 2 MODE.

**OPERATION PROCESS**

ACT. ALTI. MODE

TOT. ALTI. MODE

ALTI. GAIN MODE or ALTI. LOSS MODE

MAX. ALTI. MODE

AVG. GRAD MODE

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**MAX. ALTI. MODE**

It displays the maximum altitude for the trip.

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**AVG. GRAD**

The "AVG. GRAD" displays the average gradient for the trip.

**Gradient**

V1.20A has the built-in sensor that can measure user's riding gradient. Due to technical reason, please note the following phenomenon: If user riding speed below 2.5km/h, the gradient will be 0, therefore, the gradient will not be changed. If the user does not climb 1 meter within 16 seconds, the gradient will be zero due to barometric technical reason. The current gradient information updates every 4 sec and sample period of time is 16 sec. For that reason, if transitioning is from one slope to another, "Grade" indication leg behind the actual change.

**How to setting Altitude for V1.20A**

Setting Home Altitude  
In order to make V1.20A to indicate altitude and climbing precisely, your home altitude must be set up in advance.

Press A key to switch the display to TOT. ALTI. Press and hold "SET Key" for 3 seconds (see page 19) Press mode A or Mode V to change digital and switch between ACT. ALTI. And HOME. ALTI.

**Setting Actual Altitude**

Because atmosphere will influence by temperature or weather change while you go out for a ride. In order to correct that influence of the weather change or temperature change, you can also adjust the actual altitude at V1.20A. If you see a sign indicating actual altitude that differ from the actual altitude value on V1.20A, you can adjust actual altitude according to the sign you see.

Press "Any" to switch the display to TOT. ALTI. Press and hold "SET Key" for 3 seconds (see page 19) Press mode A or Mode V to change digital and switch between ACT. ALTI. And HOME. ALTI.

**Recalibrating the altitude**

Due to change in local barometric pressure influenced by temperature and wind, the user may notice your ending altitude is different from your home altitude after few days later. It is normal response to pressure over time, so before you go out for a ride, adjust the actual altitude to your home altitude.

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**How to set Actual Altitude and Home Altitude**

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**ACT. ALTI. MODE**

Press "ACT. ALTI. MODE" key to change to ACT. ALTI. MODE.

Press "MAX. ALTI. MODE" key to change to MAX. ALTI. MODE.

Press "TRIP CLIMB MODE" key to change to TRIP CLIMB MODE.

Press "ALTI. BIKE 1 MODE" key to change to ALTI. BIKE 1 MODE.

Press "ALTI. BIKE 2 MODE" key to change to ALTI. BIKE 2 MODE.

**OPERATION PROCESS**

ACT. ALTI. MODE

TOT. ALTI. MODE

ALTI. GAIN MODE or ALTI. LOSS MODE

MAX. ALTI. MODE

AVG. GRAD MODE

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**AVG. GRAD**

It displays the user's the average gradient (+) for the trip.

**MAINTENANCE**

**V1.20A 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.

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**AVG. GRAD**

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**ALTI. BIKE1**

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**ALTI. BIKE2**

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**ALTI. GAIN or ALTI. LOSS**

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**AVG. GRAD**

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**MAINTENANCE**

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**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.

**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 hazy:**  
The unit is too hot. Place the unit in a shaded area, and it will return to normal.

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

**SPECIFICATIONS**

**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 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.

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**How to set Actual Altitude and Home Altitude**

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**AVG. GRAD**

It displays the user's the average gradient (+) for the trip.

**MAINTENANCE**

**V1.20A 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.

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**AVG. GRAD**

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**MAINTENANCE**

**V1.20A 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.

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**AVG. GRAD**

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**MAINTENANCE**

**V1.20A 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.

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It may be caused by the following situation: the distance & position between magnet and sensor to adjust or low battery power.

**SPECIFICATIONS**

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**Distance and Angle for Receiver**

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**AVG. GRAD**

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**MAINTENANCE**

**V1.20A cycle computer**  
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**AVG. GRAD**

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**MAINTENANCE**

**V1.20A cycle computer**  
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**AVG. GRAD**

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**MAINTENANCE**

**V1.20A cycle computer**  
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**AVG. GRAD**

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**MAINTENANCE**

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**AVG. GRAD**

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**MAINTENANCE**

**V1.20A cycle computer**  
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**MAINTENANCE**

**V1.20A cycle computer**  
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**MAINTENANCE**

**V1.20A cycle computer**  
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**MAINTENANCE**

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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.

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