# Operating Instruction

Functional Overview

- -SPD   CURRENT SPEED
- -ODO   ODOMETER
- -DST   TRIP DISTANCE
- -MXS   MAXIMUM SPEED
- -AVS   AVERAGE SPEED
- - TM   ELAPSED TIME
- -CLK   CLOCK (12H/24H)
- -SCAN
- -   "+"   "-" COMPAPATOR
- -MAINTENANCE ALERT
- -SETTING SPEED SCALE （KM/hr, M/hr）
- -SETTING TYRE CIRCUMFERENCE/ （0mm~9999mm）
- -SETTING THE LAST VALUE OF ODOMETER/ODO
- -FREEZE FRAME MEMORY
- -AUTO   ON/ OFF

Battery Installation

Open the battery door; put a grain of AGl 3 battery into the battery box. Note: put the battery positive electrode (+) upward, after installed, close the battery door and tighten.

The Installation of Sensor and the Magnet
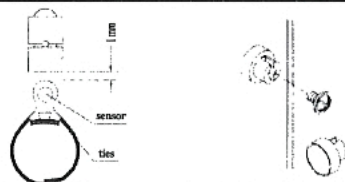
The "sensor" is installed on a front fork of the bicycle, on the same side with magnet. Shims of the attachment can be used for sensors, and use the tie of attachment to fix the sensor on the front fork. Magnets installation is as shown in the figure. Adjust the relative position between magnet and sensor, plane to the sensor and then make the distance 1mm between them. Don't make the sensor aim at the center point of magnet, at the head and tail of the sensor is better.

Installation of Gauge Stand

Use the tie of attachment to fix the gauge stand on the handlebar; shims of the attachment can be used for gauge stand and handlebars.
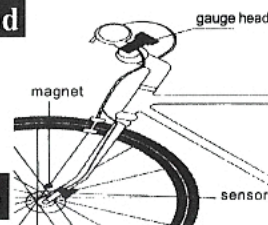
Fixation of the Sensing Line

Arrange the sensing line along the front fork, and use the ties of attachment to fix it; the cable on the handlebars must be around the handlebars, using ties to fix it tightly, so as not to impede the handlebars to move.

Installation of the Meter Body

Completely push the meter body along gauge stand sliding chute; snap joints can make the header not easy to pull out When demolishing the meter body, press the snap joint of the gauge stand and push it out in the opposite direction along the slide. Check the installation: turn the front wheel of the bicycle, and see if there is signal input in the header screen; if there is no response or the reaction is not sensitive, adjust the relative position between the magnet and the sensor.
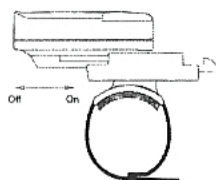
## The Comparison Table of Wheel Circumference and the Wheel Size

After loading the battery, screen displaying 2060 with a number jumping, select the desired circumference according to the following table; press the left key to change the jumping number and press the right key to confirm; set from right to left. The range of input circumference is 0mm~9999mm. (Wheel diameter can be measured in person. Method: first, draw a point on somewhere of the tire, make a mark on the place directly below the point, and then push walking a circle, make a mark on the place directly below the point again, the length measure out between the two markers is needed wheel circumference, for example, measured 1.615 m, then input 1615.) Continue to press right button entering the km / mile mode to set.

Wheel Size	circumference	Wheel Size	circumference
700c×38mm	2180	26″ ×2.25″	2115
700c×35mm	2168	26″ ×2.1″	2095
700c×32mm	2155	26″ ×2.0″	2074
700c×30mm	2145	26″ ×1.9″ /1.95″	2055
700c×28mm	2136	26″ ×1.75″	2035
700c×25mm	2124	26″ ×1.5″	1985
700c×23mm	2105	26″ ×1.25″	1953
700c×20mm	2074	26″ ×1.0″	1913
700cTubulan	2130	24″ ×1.9″ /1.95″	1916
650c×23mm	1990	20″ ×1-1/4″	1618
650c×20mm	1945	16″ ×2.0″	1253
27″ ×1-1/4″	2161	26″ ×1.95″	1257
26″ ×1-1/8″	2155	26″ ×1.5″	1206
26″ ×2.3″	2135		

Selection between Kilometer （KM/hr） mile （M/hr）

Press the left button to select KM/hour (KM/hr) or miles (M/hr).
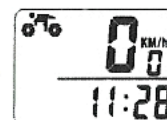Press the right button to end, entering the maintenance mode.
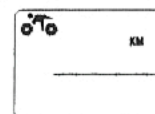
Maintenance Alert

Maintenance alert reminder value is 200 (KM/M); when the number jumping, press the left button in order to select a value 200,400,600,800 (KM / M). Use function: When the total mileage reaches the set value, the wrench symbol will display in flashing, press the left button three seconds to cancel. Press the right button to end, entering the clock mode.

Clock(12H/24H)

In clock mode, press "right button" for 3 seconds to enter the 12/24 hour setting, continue pressing the right button to set the 12/24 hour conversion. After confirmation, press the left button to enter the hour setting; when hour digital jumping, press the right button to adjust. Continue to press the left button to enter the minutes setting, the minute digits jumping, press the right button to adjust. After completing the setup, press the left button to enter ODO mode.

Setting the Last Value of ODO

In ODO mode, press right button for 2 seconds to enter the ODO value setting. The initial value of 0000.0, and the number jumping, press the left button to change the jumping value, press the right button to confirm and enter the next number to set (when the battery is replaced, re-enter according to mileage records before replacement).
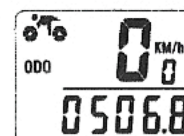
Resetting the Driving Parameter

Press the left and right button at the same time for 3 seconds to reset the wheel circumference, kilometers (miles), and maintenance mileage; the ODO original value and CLK clock remains.

Resetting the Riding Parameter

In any mode, the speed will be displayed on the screen; speed resolution is 0.1 km / h, the speed display range: 0 ~ 99.9 km / h (miles / hour)

Contrast and Prompt

When riding, "+ " or " - " appears top right corner of the screen, + " indicates the current vehicle speed is higher than the average speed, - " indicates the current vehicle speed is below average speed.
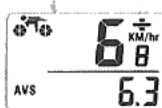
Odometer （ODO）

ODO model: refers to the total ride mileage from the last time; the bicycle has been reset to the present, total mileage displaying 0 ~ 9999km (miles); after exceeding, it will automatically return 0 to reset. Press the right button to enter the single- mileage models (DST).
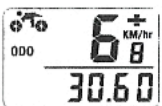
Single- mileage Mode (DST)

Single ride timer (TM) is the distance ride from beginning to now. Single mileage displaying range is: 0 ~ 9999 km (miles). When the value exceeds the maximum count range, it will automatically return 0 to reset.
In the DST mode, press the right button for 3 seconds, DST value is cleared, meanwhile the MXS, AVS, TM values will be cleared. Press the right button to enter the maximum speed mode （MXS）.

Maximum Speed Mode （MXS）

The screen shows the maximum riding speed in a single timing time.
In the MXS mode, press the left button for 3 seconds, MXS value is cleared, meanwhile the DST, AVS, TM values cleared.
Press the right button to enter the average speed model (AVS).

Average Speed Mode (AVS)

The screen shows the average speed in a single timing time. In the AVS mode, press the right button for 3 seconds, AVS value is cleared, meanwhile the DST, MXS, TM values will be cleared. Press the right button to enter the timekeeping model （TM）.

Timekeeping(TM)

The screen shows the working time since the last reset.
Timing range is 0: 00:00~ 99:59:59, after exceeds, it will automatically return 0 to reset. When the timing exceeds and automatically cleared, DST, MAX and AVS will also be cleared at the same time.
In the TM mode, press the right button for 3 seconds, TM value is cleared, meanwhile the DST, MXS, AVS values will be cleared. Press the right button to enter the SCAN model （SCAN）.
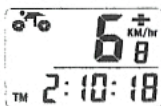
SCAN

"SCAN" mode: every four seconds, the screen in order displays: DST、MXS、AVS、TM。In this mode, press the right button for 3 seconds, DST, MXS, AVS and TM values can be cleared. In loop mode, press the left button to end, entering the CLOCK model..

Power-saving Mode

No motion signal input within 300 seconds, the screen will enter the OFF state, CLK clock reserved. When having riding signal input or press any button, it can return to the mode before shutdown, and remember the value before shutdown

Freeze Frame Memory

Press right button in any mode it will enter freeze frame , memory mode. The screen will display the riding time (TM) values and jumping, pressing the left button and you can browse the sampled riding distance (DST), time (TM), average speed (AVS), maximum speed (MXS) data. Press the right button to end the freeze frame memory mode.
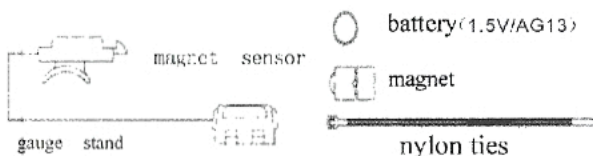
Button Instructions

Pressing the left button can choose any function model in sequence: ODO, ST, XS, VS, M, CAN （DST, MXS, AVS, TM）, LOCK.
It doesn't need to press the right button to select all modes (except for Freeze frame memory mode). After entering the Sampling mode, pressing the right button can only display several sets of sampling data, it need to re-press the right button to return the other modes.

Faults and Reasons

Faults	Reasons
Speed is always 0	Magnets and sensors distance angle installation is not correct
Appears value inconsistent with the actual value	The setting parameters are incorrect (such as bicycle wheel circumference)
Slow response	Cycling table working below 0 degree, temperature recovery and return to normal
Black screen	Exposure time in the sun is too long, place it in the shade after a period of time to restore normal
Dim screen	The battery contact is not good or the battery is dead, check the battery installation or replace the batteries
Display number missing painting	Remove the battery, wait 10 seconds to reload

Accessories Description

gauge stand

magnet sensor

battery (1.5V/AG13)

magnet

nylon ties