

# Sunding Bicycle Computer

SD-546AE (23Functions)

## FUNCTIONS

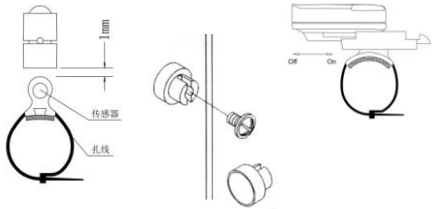
- SPD CURRENT SPEED
- ODO ODOMETER (0.001~99999km/m)
- DST TRIP DISTANCE
- MXS MAXIMUM SPEED
- AVS AVERAGE SPEED
- TM ELAPSED TIME
- CLK CLOCK (12H/24H)
- TMP TEMPERATURE (-10°C~70°C)
- MIN RPM
- MAX RPM
- SCAN
- COMPARTOR
- CAL (0~99999Kcal)
- FAT (0~9999.9kg)
- SETTING SPEED SCALE (km/h,m/h)
- SETTING TYRE CIRCUMFERENCE (0mm~9999mm)
- SETTING THE LAST VALUE OF ODOMETER / ODO
- SETTING RIDER'S WEIGHT
- FREEZE FRAME MEMORY
- MAINTENANCE ALERT
- "LOW POWER REMINDING
- BACK LIGHT
- AUTO ON/OFF

## Battery Installation

Remove the battery cover from the bottom of the computer by using a flat blade screwdriver, install an AG13 battery with the positive (+) pole facing the battery cover and replace the cover. Should the LCD show irregular figures, take out the battery and re-install it.

## Speedometer Sensor

Attach the speedometer sensor bracket to the left fork blade, using the shims to adjust the diameter, and using the cable ties (show below) to tie it with the fork. Position the sensor and magnet as show; make sure that the arc of the magnet intersects the alignment mark on the sensor with 1mm clearance.

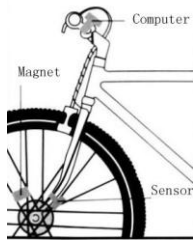


## Mounting Shoe

Attach the mounting shoe with the cable ties to the handlebar, adjust the mounting shoe on the handlebar with the shims to hold its position.

## Sensor Wiring

Route the sensor wire up the fork blade, using cable ties to secure it at the bottom and crown to avoid it hinder the movement of the front wheel.



## Computer

Attach the computer to the mounting shoe by sliding the unit until it snaps firmly into its position. To remove it, press the button on it in the opposite direction.

To check for proper speed function and sensor alignment, spin the

front wheel with computer in speed mode. Adjust the position of sensor and magnet when there is no or weak reaction.

## Wheel Size Input

'2060' appears on the screen when the battery has been installed, with one figure flashing, choose the correct wheel circumference from the table below. Press RIGHT button to advance digits as needed and LEFT button to confirm and advance. (The circumference ranges 0mm~9999mm),press LEFT button to enter KM/M mode.

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

## Setting (km/h) / (m/h)

Press the RIGHT button to choose km/h or m/h. Press the LEFT button to enter CLOCK mode.



## Setting rider's weight

The default weight is 65kg, press the RIGHT button to adjust the flashing weight number according to rider's weight, press LEFT button to confirm and advance. Weight ranges : 20~150kg. Press the LEFT button to enter into Maintenance Alert setting.

## Setting maintenance alert

While the default Maintenance Alert digit 200km/m is flashing, Press the RIGHT button to choose 200/400/600/800 km/m. (Press the LEFT button to confirm and enter into Clock mode.(When the ODO>the Maintenance Alert digit you set, the will appear on the screen to alert the rider, press the LEFT button to cancel it.)



## CLK Mode(12H/24H)

In CLOCK Mode, press the LEFT button for 3 seconds to enter 12/24H selection. Re-press the LEFT button for 12/24 exchanging. Press the RIGHT button to enter Hour setting mode, when the figure indicating HOUR start to flash, press the LEFT button to adjust it.



Continue to press the RIGHT button to enter Minute setting mode, when the figure indicating MINUTE start to flash, press the LEFT button to adjust it and RIGHT button to confirm, re-press RIGHT button to enter ODO mode.

## Setting the Last value of Odometer

In ODO mode, press the LEFT button for 2 seconds to set the ODO value, its initial value is 0000.0. when one figure flashing, press RIGHT button to adjust it and LEFT button to confirm it, and start to set the next figure.(after re-install the battery, latest value can be inputted according to the value exists before the battery is re-installed).



## Reset of Mileage Parameter

In ODO mode, Press and hold both RIGHT and LEFT button simultaneously for 3 seconds to clear the circumference value and cancel (km/m) & Maintenance Alert setting. The user need to reset the

tyre circumference, (km/m) & Maintenance Alert, the original ODO value and CLOCK will remain unaffected.

## Speedometer

When riding speed is shown all the time on the screen, it ranges 0~99.9km/h(m/h), and it is accurate to +/- 0.1km/h (m/h).

## Speed Comparator

During riding, ▲ and ▼ will display on the screen, ▲ indicates the current speed is higher than average speed. ▼ indicates the current speed is lower than average speed.



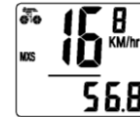
## Odometer

In ODO mode, the total distance is indicated on the screen, its mileage ranges : 0.001 ~ 99999km(m). The display will be back to 0 when value exceeds its maximum limit, press the RIGHT button to enter DST mode.



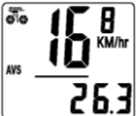
## Trip Distance (DST)

In DST mode, the distance for one trip is indicated on the screen. This distance is start to be calculated when DST becleared to 0. It ranges: 0~9999km(m), when exceed the range limit, it will restart from 0 automatically. In DST mode, press LEFT button for 5 seconds to clear the DST, MXS, AVS, TM records. Press the RIGHT button to enter into MXS mode.



## Maximum Speed (MXS)

In MXS mode, maximum speed is indicated on the bottom line. Press the LEFT button for 5 seconds to clear the records of MXS,DST,AVS and TM. Press the RIGHT button to enter AVS mode.



## Average Speed

In AVS mode, the average speed for one trip is indicated on the screen. Press the LEFT button for 5 seconds to clear the AVS, DST, MXS, TM records. Press the RIGHT button to enter Into TM mode.



## Trip Time

In TM mode, the trip time for one trip is indicated on the screen. TM ranges : 0:00~00:59, restart from 0:00:00 when it exceed the range limit. In TM mode, press the LEFT button for 5 seconds to clear the TM, DST, MXS, AVS records. Press the RIGHT button to enter into RPM mode.



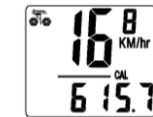
## Temperature (PRM)

In RPM mode, the current outdoor temperature is indicated on the screen. Minimum Temperature(MIN RPM) Maximum Temperature(MAX RPM)

The default display for RPM is °C, press the LEFT button for 3seconds, °C is flashing, press the RIGHT button to exchange °F/°C,press the LEFT button to confirm. RPM ranges : -10~70 (°C), it is accurate to +/-0.1°C. In RPM mode, press the LEFT button for 5 seconds to clear RPM MIN MAX, DST, MXS, AVS. Press the RIGHT button to enter into CAL mode.

## CAL (Calory)

In CAL mode, the total heat energy the rider consumed is calculated from the last restoration of the computer is indicated on the screen. It ranges: 0~99999Kcal. Press the RIGHT button to enter into FAT mode.



## FAT



In FAT mode, the total FAT the rider consumed is calculated from the last restoration of the computer is indicated on the screen. It ranges: 0~9999.9kg. Press the RIGHT button to enter into Scan mode.

## SCAN

In SCAN mode, the DST, MXS, AVS, TM are indicated in turn every 4 seconds. Press the RIGHT button to enter into CLK mode.



## Menu Hide Function

In any mode except CLK mode, press the RIGHT button for 5 seconds, the computer is going to Menu hide mode, it hides MIN RPM, MAX RPM, CAL & FAT, which will not be indicated on the screen but still running without effect. Also in any mode except CLK mode, press the RIGHT button for 5 seconds again, these functions are resumed.

## Sleep Mode

If no signal has been inputted for 300 seconds, computer will enter into Sleep mode, CLK remains. It will turn back to the former mode with all the data collected when any signal is inputted or any button is pressed.

## FREEZE FRAME MEMORY

In any mode, press the LEFT button to enter into Freeze Frame memory mode, flashing TM data will appear on the screen, press the RIGHT button to view the records of DST, TM, AVS and MXS. Press the LEFT button to end it.

## Back Light

The back light function is switched on or off when you press any button during PM:18:00~8:00. It will not work at any other time.

## Low Power Reminding

When the battery is low power, the symbol "LOW POWER" will be shining, which reminds the rider to change into a new battery.

## Malfunctions and problems

Malfunctions	problems
No speedometer	Improper magnet/sensor alignment
Inaccurate value is indicated	Improper input, such as wheel circumference.
Slow display response	Temperature exceeds operating limits (0°C~55°C)
Black display	Too long time in sunlight, should take back to shade for a period.
Weak display	Poor battery or dead battery
Displays irregular figures	Take battery out and reinstall it after 10 seconds.

## Accessories

