





Dual Cyclocomputer



NA-VLA

Features

Speedometer (0-99.9 km/hr or M/hr)
Dual average speed (0-99.9 km/hr or M/hr)
Dual maximum speed (0-99.9 km/hr or M/hr)
Dual auto trip timer (9:59:59)
Dual trip distance (999.99 km or M)
Dual total distance (9999.9 km or M)
Dual wheel size memory
Clock
12 hour or 24 hour format selection
Odometer save function
Scan
Speed tendency ( or )
Cadence (+ / -)

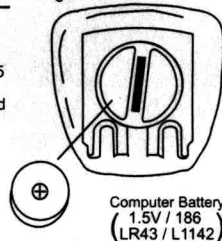
Battery Installation

Computer

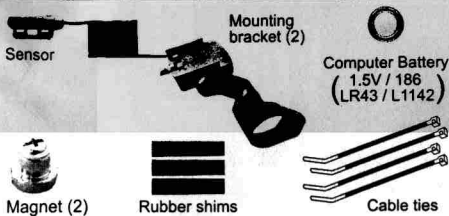
Remove the battery cover from the bottom of the computer using a small coin. Install the 1.5 V battery with the positive (+) pole facing the battery cover and replace the cover as in Fig. 1.

Should the LCD show irregular figures, take out the battery and install again. This will clear and restart the computer's microprocessor

Fig. 1

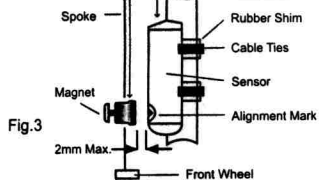


Accessories



Sensor Installation

Clamp the magnet on the spoke of front wheel with the screw provided and attach the sensor to the right fork by using the cable ties as shown in Fig. 2. Make sure the arc of magnet intersects the alignment mark on the sensor with 2 mm clearance as shown



Mounting Bracket

Attach the mounting bracket to the right side of the handle bar by using a screwdriver as shown in Fig. 4. Making sure the mounting bracket is clamped tightly and will not slip on the handle bar with the rubber shims provided. Adjust the position of the mounting bracket as shown in Fig. 5 and fix it by locking the 3 screws tightly.

Fig. 4

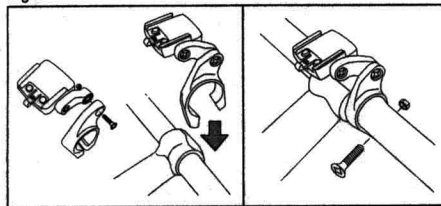
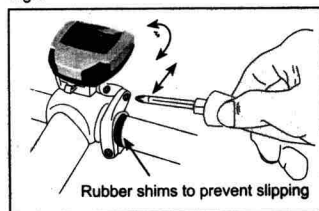
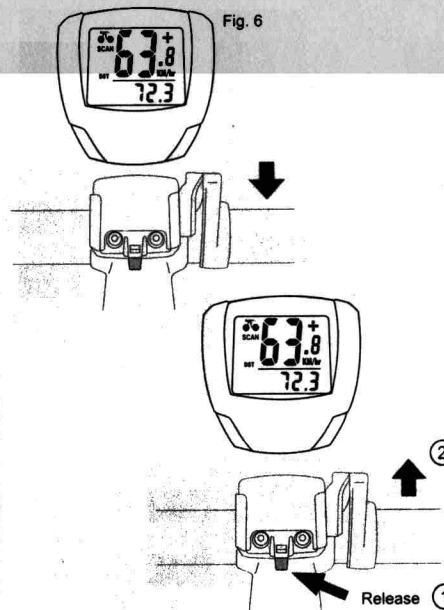


Fig. 5



Computer

Slide the computer onto the mounting bracket until it snaps firmly into position. Press the release button to take out the computer as shown in Fig. 6.



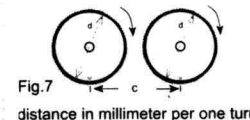
Dual Wheel Size Input (C1 and C2)

Press and hold LEFT and RIGHT buttons for 2 seconds or after the replacement of battery, the unit is switched to wheel size input mode of C1 & C2.

Multiple wheel diameter, d (Fig. 7) in millimeters by 3.1416 to determine wheel factor, c. Press the LEFT button to select digit to be input and, the RIGHT button to adjust the digit to the desired number (hold for fast advance). Press the LEFT button again to KM/MILE selection. (Note: Removing battery will erase Wheel Size Input)

For convenience you can refer to the chart of wheel diameter size factor

Wheel Diameter d	Wheel Factor c
20"	1596
22"	1759
24"	1916
26" (650A)	2073
26.5" (Tubular)	2117
26.6" (700x25C)	2124
26.8" (700x28C)	2138
27" (700x32C)	2155
28" (700B)	2237
(w/ tire)	
ATB 24"x1.75	1888
ATB 26"x1.4	1995
ATB 26"x1.5	2030
ATB 26"x1.75	2045
ATB 28"x2 (650B)	2099
27"x1	2136
27"x1 1/4	2155



KM / MILE Selection

Selection of scale of measurement is proceed right after the wheel size input. Press the RIGHT button to choose between KM (KM) and MILE (M), press the LEFT button to confirm. The unit is then switch to speed mode and is ready for use.

Auto Start / Stop

To preserve batteries, the cycle computer will automatically switch off if the unit is left unused for over 5 to 6 minutes. Display will reappear with a press on either button or input from the sensor.

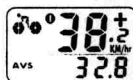
Speed Comparator (Cadence)

A "+" or "-" sign appears to the right of the speed. "+" indicates you are travelling faster than your average speed (AVS). A "-" indicates you are riding slower than your average speed.



Speed Tendency (Acceleration & Deceleration)

A cyclist symbol appears to the left of the speed. The wheel turns forward indicates you are travelling accelerating. The wheel turns backward indicates you are travelling decelerating.



Speedometer

Instantaneous Speed is indicated on the top line. The range of measurement is from 0 to 350 KM / hr [0 to 350 M / hr] and accuracy is +/- 0.5 KM / hr [M / hr].



Odometer

Total distance travelled is indicated by ODO and display on the bottom line. To reset ODO, press and hold LEFT and RIGHT buttons for 2 seconds or remove the battery. Press the right button to enter DST mode.



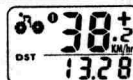
Clock (12H/24H)

A 12 or 24 hour digital clock is indicated by the flickering colon on the bottom line. To switch 12 or 24 hour format or adjust time, press the LEFT button for 2 seconds. The digit "12H" will then start to flicker, use the RIGHT button to select "12H" for 12 hour format or "24H" for 24 hour format and LEFT button to confirm. After that, the hour digits will then start to flicker, use the RIGHT button to adjust to desired value. To adjust minutes, press LEFT button again and then the minutes digits will start to flicker, use the RIGHT button to adjust to desired value. Press the LEFT once more and back to clock mode. Press the RIGHT button to enter ODO mode.



Tripmeter (Trip Information Reset Mode)

Trip distance measurement is indicated by DST and is displayed on the bottom line. Tripmeter is activated automatically with speedometer input. Resetting DST to zero by pressing the LEFT button for 2 seconds; DST (Trip distance), TM (Trip Time) & AVS (Average Speed) will also be reset at that time. Press the RIGHT button to enter MXS mode.



Maximum Speed

Maximum speed measurement is indicated by MXS and is displayed on the bottom line. Maximum speed is stored in memory and updates only when a higher speed is reached. To reset MXS, press and hold the LEFT in the MXS mode. Press the RIGHT button to enter AVS mode.



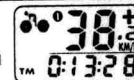
Average Speed

Average Speed measurement is indicated by AVS and is displayed on the bottom line. AVS is calculated with the Trip Timer TM, so AVS is the average speed only while riding. Press the RIGHT button to enter TM mode.



Trip Timer

Trip timer measurement is indicated by TM and is displayed on the bottom line. Trip Timer is activated automatically with speedometer input. (On when you ride and off when you stop.) It records only the time spent actually riding. Resetting TM to zero by pressing the LEFT button for 2 seconds in DST mode. Press the RIGHT button to enter SCAN mode.



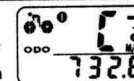
Scan

Information [DST, MXS, AVS, TM] can be read without pressing the key by entering scan mode. Press the RIGHT button to enter CLOCK mode.



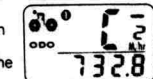
2 Bike System (C1 <--> C2)

The computer is designed for the professional cyclist who has two bicycles with different wheel sizes. (e.g a racing bike and a mountain bike.) 2 Bike System now allows you to store two sets of cycling data for different bicycles including average speed (AVS), maximum speed (MXS), trip distance (DST), trip timer (TM), total distance travelled (ODO) and wheel size. To switch between Bike one (C1) and Bike two (C2), press the RIGHT button to ODO mode and then hold the LEFT button for 2 seconds to enter bike selection mode. (C1 > C2). For selection, press RIGHT button to toggle bike 1 (C1) or bike 2 (C2) and then press LEFT button to confirm.



Odometer Save function

The SAVE function allows you to keep the important data of total distance (ODO) even after battery replacement. Before battery replacement, record down the data of total distance (ODO) of C1 & C2. To set ODO, after battery replacement and wheel size setting, press RIGHT button to ODO mode and then hold the LEFT button for 2 seconds to enter bike selection mode (C1 <--> C2). After that press RIGHT button to select C1 or C2 for data input and then hold the LEFT button for 2 seconds until the last digit of total distance flickering. To adjust the number, press RIGHT button and then press LEFT button to confirm and select digits to be set. Repeat the above process to get the desired value of the odometer for both C1 & C2. Press the LEFT button once more and back to normal ODO mode.



Malfunction

Problem

No speedometer reading	Improper magnet / sensor alignment
Slow display response	Temperature outside of operating limits (0-55 degrees C)
Black display	Temperature too hot, or display exposed to direct sunlight too long
Display readout fades	Poor battery contacts or dead battery
No trip distance reading	Check correct sensor / magnet alignment Check battery and correct installation
Display shows irregular figures	Take out battery and install again