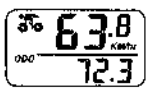
Speedometer

Instantaneous Speed is indicated on the top line. The range of measurement is from 0 to 99 KM / hr [0 to 99 M / hr] and accuracy is +/- 0.5 KM / hr [M / hr].

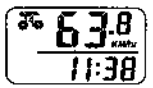
Odometer

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.



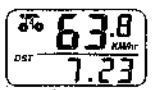
Clock

A 12 hour digital clock is indicated by the flickering colon on the bottom line. To adjust time, press the LEFT button for 2 seconds. The hour digits will then start to flicker, use the RIGHT button to adjust to desire value [hold for fast advance]. To adjust minutes, press LEFT button again and then the minutes digits will start to flicker, use the RIGHT button to adjust to desire value.
Press the LEFT once more and back to clock mode.
Press the RIGHT button to enter ODO mode.



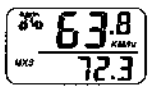
Tripmeter
(Trip Information Reset Mode)

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.



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.

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.

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.

Malfunction / Problem

Malfunction	Problem
Inaccurate maximum speed reading	Unknow atmospheric or RF interference
No speedometer reading	Improper magnet/transmitter alignment Check battery and correct installation
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
No trip distance reading	Check correct transmitter / magnet alignment Check battery and correct installation
Display shows irregular figures	Take out computer battery and install again

Freeze Frame Memory

Press the LEFT button, Freeze Frame Memory can lock the display at the end of a ride segment and information TM, DST and AVS which will be flashing, can be read at a later time by the RIGHT key. To release the memory, press the LEFT key until the display digit is static again. This is particularly useful when crossing the finish line of a time trial, since the TM cannot be stopped manually.

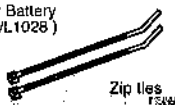
Accessories

Transmitter

Wheel Magnet

Transmitter Battery
(12v/VR22/L1028)

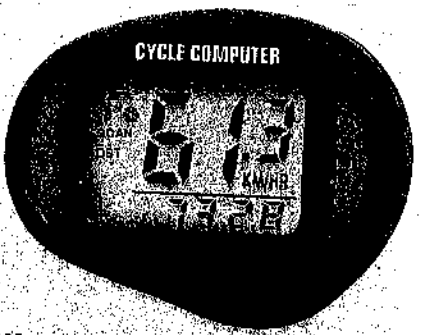
Computer Battery
(3v/CR2032)



Zip ties

CYCLE COMPUTER

WIRELESS MOUNTING SYSTEM



FUNCTION 8 9

INSTRUCTION MANUAL

Features

For reference you can refer to the function table of your computer's features as state on the gift box.

FUNCTIONS	8	9
Speedometer (0-99.9 Km/hr or M/hr)	✓	✓
Tripmeter (Up to 999.99 Km or M)	✓	✓
Odometer (Up to 9999.9 Km or M)	✓	✓
Auto trip timer (9: 59'59" or 59'99")	✓	✓
Maximum Speed (up to 99.9 Km/hr or M/hr)	✓	✓
Digital Clock (12 hr format)	✓	✓
Average Speed (0-99.9 Km/hr or M/hr)	✓	✓
Scan (for DST, MXS, AVS,TM)	✓	✓
Freeze Frame Memory (for TM, DST, AVS)		✓

Battery Installation

Computer
Remove the battery cover from the bottom of the computer using a flat blade screwdriver. Install the 3 V battery with the positive (+) pole facing the battery cover and replace the cover as in Fig. 1.

Transmitter
Install the 12 V battery in the transmitter with the positive (+) pole facing the battery cap. Re-install the cap with a small coin and be sure it is tight to prevent moisture leakage as in Fig. 2.

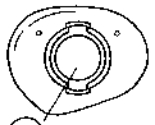


Fig. 1

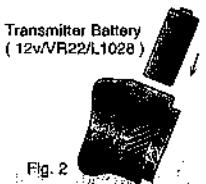


Fig. 2

Transmitter Installation

The transmitter bracket attaches to the left fork blade by zip ties using rubber shims to adjust to the diameter of the fork as Fig. 3. Position the transmitter and magnet as shown, making sure that the arc of the magnet intersects the alignment mark on the transmitter with 2 mm (1/16") clearance (Fig.5).

Clamp magnet assembly between two left side front wheel spoke with the screw provided (Fig.4).

Overtightening the screws can strip the threads or crack the assembly, so use caution.

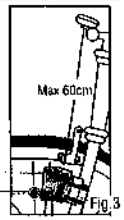


Fig.3

Fig.4

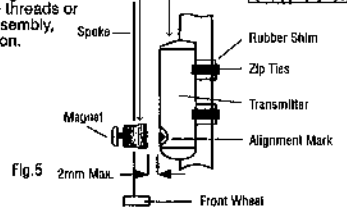


Fig.5

Mounting Shoe

Attach the mounting shoe to the left side of handlebar (the same side of transmitter installed) using the bracket screw provided. Rubber shims are also included to provide a secure fit. If the clamp closes completely, or the bracket slips on the handlebar, shims will be necessary.

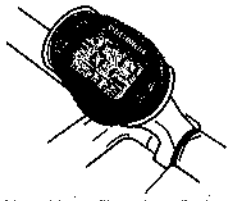


Fig.6 Rubber shims will prevent slipping

Mountain Bike Locking System

Attach the computer onto the mounting shoe and turn it clockwise until it snaps firmly into position. Fig.7. To check for proper speed function and sensor alignment, spin the front wheel with computer in speed mode.

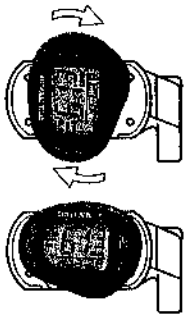


Fig.7

Start / Stop

(Wireless Mounting System Self Testing Mode)

To start the unit, press the RIGHT button to turn on the display and the wireless mounting system. After that, the wheel on the display turns for 2 seconds to show the battery and the receiver circuit in computer works properly. To stop the unit, left unused for over 5 to 6 minutes and then the computer will automatically switch off to preserve batteries.

Wheel Size Input

Press and hold LEFT and RIGHT buttons for 2 seconds or after the replacement of battery, the unit is switch to wheel size input mode. Multiple wheel diameter, d (Fig 8) 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)

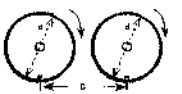


Fig.8

distance in millimeter per one turn

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

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)	.....	2136
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 26"x2 (650B)		.....	2099
27"x1		.....	2130
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.

USER MANUAL ATTACHMENT

FCC LABEL SIZE : 100 X 60 mm

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and,if not installed and used in accordance with the instructions , may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on , the user is encouraged to try to correct the interference by one or more of the following measures:

. Reorient or relocate the receiving antenna.

. Increase the separation between the equipment and receiver.

. Connect the equipment into an outlet on a circuit different from that to which the receiver is needed.

. Consult the dealer or an experienced radio/ TV technician for help

ETL SEMKO ⑤
Incoming Date: 24.2.00
Action By