CAT EYE MITY 3
CYCLOCOMPUTER CC-MT300N
Instruction Manual

MITY 3

U.S. Pat. Nos. 4032216/4642066/5267819/5285340/5904442 and Pat. Pending
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CCM3T3N-011119 Printed in Japan [08061003]: 2

Precautions
• Do not concentrate too much on the computer operations while riding.
• Be sure to securely mount the magnet, sensor and bracket on your bicycle, and periodically check to insure they are mounted securely.
• Used batteries must be disposed of properly and in accordance with all local regulations.
• Do not leave the main unit exposed to direct sunlight. Never disassemble the computer.
• To clean the computer, use mild soap and a soft cloth. Wipe dry with a soft cloth. Paint thinner, benzine, alcohol or other chemicals may damage the surface.

Installation

1. Attach the sensor and the magnet properly so that their positions meet the following conditions A and B.

A. The clearance between the sensor and the magnet should be less than 5mm.

2. Attach the magnet to the right side spoke of the front wheel. Adjust the position of the sensor and magnet so that it meets the conditions A and B in the “Important” column.

Setting Up the Computer

1. Find the Wheel Calibration Number (Length of Tire Roll-Out)

Determine the length of the tire (Length in centimeters) from the Cross Reference Table. Alternatively, you can find the most accurate wheel calibration number by rolling the tire on the ground. In this method, properly inflate the tires, sit on the bike and measure the distance of one wheel length. This distance in centimeters is the most accurate measurement. (Inches X 2.45 = Centimeters)

2. Set the Wheel Circumference.

The number “210” (typical wheel circumference for 700x23C tires) will be displayed (Fig. 4). Input the number from step 1 above. Press the MODE Button to increase the number. Press the START/STOP(S) Button to decrease it. You can fast forward the numbers by holding either buttons down.

3. Set the TIME Operation.

The number “10:28” will be displayed (Fig. 5). Increase the number by pressing the SET Button. Your computer is now set up for riding.

Setting the CLOCK

For setting the CLOCK, the TIME function must be turned off and the speed scale symbol (either M for Miles or K for Kilometers) must not be flashing (Fig. 5). The CLOCK is set to either 24-HOUR or 12-HOUR depending on the SPEED SCALE selected. In K (kilometers), a 24-HOUR CLOCK is selected, while in M (miles), a 12-HOUR CLOCK is selected.

1. In the TIME Function(Tm), hold down the MODE Button, the “HOURS” will appear. Use the MODE Button to increase the number, and the ST./STOP(S) Button to switch between “HOURS” and “MINUTES”.

2. Press the SET Button. The “HOURS” will flash. Use the MODE Button to change the number, and the ST./STOP(S) Button to switch to the “MINUTES”.

3. Press the SET Button to set the CLOCK.

The speed sensor, handlebar and wheel magnet should be installed first.

NOTE: To utilize previously accumulated Odometer data, refer to the section “Manually Replacing Mileage into Odometer” described in the last section of this manual.

The following set up is required before use:

1. In the TIME Function(Tm), hold down the MODE Button, the “HOURS” will appear. Use the MODE Button to increase the number, and the ST./STOP(S) Button to switch between “HOURS” and “MINUTES”.

2. Press the SET Button. The “HOURS” will flash. Use the MODE Button to change the number, and the ST./STOP(S) Button to switch to the “MINUTES”.

3. Press the SET Button to set the CLOCK.

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3. Press the SET Button to set the CLOCK.
OPERATING THE COMPUTER

Main Function

Current Speed Upper Display (mph) 23.8 [31.9-0.45] mph
Average Pace Arrow This numerically shows the average speed is faster or slower than the average speed

Sub-Function

Average Speed (mph) 16.8 [31.9-0.45] mph
Max Speed (mph) 32.2 [31.9-0.45] mph
Elapsed Time

Status:

0.00-999.99 km [mile]

0.00-999.99 km [mile]

0.00-999.99 km [mile]

0.00-999.99 km [mile]

Fig. 6

Changing the Data Displayed

Pressing the MODE Button changes the data displayed on the screen as shown in Fig. 6. A single press of the button will switch to the next main mode, and a holding down of the button for 2 seconds or longer will switch to the sub-mode. To get back to the main mode from the sub-mode, just press the MODE button.

Starting/Stopping the Recording

Pressing the ST./STOP(S) Button (Fig. 8) will start the recording of TIME, AVERAGE SPEED and DISTANCE 1 or 2, and a subsequent press will stop the recording. During the recording, the speed scale (K) or M) will flicker.

Auto Mode (Automatic Recording) - AT

You can set the computer to record TIME, AVERAGE SPEED and DISTANCE 1 or 2 automatically. This is called the AUTO MODE. The computer’s sensor detects the motion of your wheel to start and stop recording automatically. (Once the AUTO MODE is set, you cannot start or stop the recording with the ST./STOP(S) Button.)

Activating AUTO MODE:

In the DISTANCE, TIME or AVERAGE SPEED function, press the SET button. The AT symbol will appear on the screen to identify the AUTO MODE. You can take the computer out of the AUTO MODE in the same way.

Moving TIME, AVERAGE SPEED and MAX SPEED to Upper Display

You can move TIME, AVERAGE SPEED or MAX SPEED to the upper display by pressing the MODE button. Then, hold down the MODE button to move the data you would like and pressing the ST./STOP(S) Button. You can go back to the original display in the same way.

Resetting the DISTANCE 1, TIME, MAX SPEED and AVERAGE SPEED Functions

In any function other than Odo or Dst2, simultaneously press the MODE Button and the ST./STOP(S) Button for one (1) second. DISTANCE 1, TIME and AVERAGE SPEED functions will reset to zero (Fig. 11). DISTANCE 2 will not reset.

Resetting the DISTANCE 2

In Dst2 function, a simultaneous hold down of the MODE and ST./STOP(S) Buttons for 2 seconds will reset the data of DISTANCE 2 only.

Wheel Setting A and B, and Changing the Wheel Setting

The computer has two wheel settings, allowing you to use the unit between two bikes with different size tires. You can change the WHEEL SETTING you are in by the Wheel Selection Symbol on the screen (Fig. 12).

- Wheel Setting “B” has been specifically programmed for low-speed sensitivity, and we recommend the use of this setting with your mountain bike.
- To select between Wheel Setting “A” or “B”, hold down the SET Button when you are in any function other than the ODOMETER (Odo) function. While in this status, if you hold down the button for 3 seconds or longer, you can switch between the Wheel Setting “A” and “B” without using the SET Button.

Changing the Wheel Setting Number

Fig. 13

1. In the ODOMETER function, press the SET Button on the back of the computer. The number for the Wheel Setting will flash on the screen.
2. Pressing the MODE Button will increase the number, while pressing the ST./STOP(S) Button will decrease it.
3. When the Wheel Setting you would like is displayed, press the SET Button on the back of the computer.

Power Saving Function

When the computer does not receive a signal for approximately 60 to 70 minutes, the computer goes into the power saving mode, and only the CLOCK is displayed. Press either the MODE Button or ST./STOP(S) Button to wake-up the computer.

Maintenance

- When the computer or the contact of bracket gets wet, dry it off with a cloth. Rusting will cause the speed detection error.
- When dirt or small grains of sand get jammed between push buttons and the main unit, push buttons may not be smoothly operated. When this has occurred, just wash them away with water.

Trouble-Shooting

No display

Is the battery in the main unit run out?
Replace it with a new one, and do all clear operation.

Incorrect data appears on the screen

Perform the “ALL CLEAR OPERATION”. (If possible, take note of the Odo data before performing the "ALL CLEAR OPERATION", and enter it again later.

Current speed does not appear. (This has occurred, short-circuit the contact of the main unit several times by using a small metal piece. If the speed display appears, the computer is working fine. The problem may be attributed to the bracket or the sensor.)
Is the wire damaged? A damaged wire might not be visible.
Replace the bracket sensor with a new one.

Is the distance between the sensor and the magnet too great?
Re-adjust the position of the sensor and the magnet. (Clearance: approx. 5 mm)
Investigate anything sticking on the contact of the main unit or of the bracket?
Clean the contact with a soft cloth.

Replacing the Battery

When the display gets lighter, it is the sign of battery replacement. In order to continue the accumulation of Oda data, take note of the data before replacing the battery

1. After performing the ALL CLEAR OPERATION, select the speed scale by pressing the MODE Button. Then, hold down the MODE Button without pressing the SET Button (Fig. 16).
2. The Odo and 0000.0 will be displayed, with the flashing digit of 0.1. Enter numbers by pressing the MODE Button, and move digits by pressing the ST./STOP(S) Button. For the Odo data, you can enter up to the 10,000th digit. Display the numbers you noted on the screen, and press the SET Button on the back of the computer. Then, you will be in the Wheel Setting function.
3. Set the Wheel Setting in accordance with the description in the section “Setting up the Computer 3”.

Close

Set up the computer and you can continue to retain the Odo data you have recorded so far, by manually entering the previous Odo data. (Be sure to take note of the data before replacing the battery.)

2-Year Warranty for Main Unit Only

(Attachments/Attachments and Battery Consumption excluded)

If trouble occurs during normal use, the part of the Main Unit will be repaired or replaced free of charge. The service must be performed at the CAT EYE Service & Research Center or an Authorized Service Center.

URL: http://www.cateye.com
Phone: 303-443-4595 Toll Free: 800-5CATEYE
CAT EYE Service & Research Center
1705 14th St. 115 Boulder, CO 80302
Phone: 303-443-4595 Fax: 800-5CATEYE
Phone: 303-473-0006 Email: service@catseye.com
http://www.catseye.com

Specifications

- Power source: Lithium Battery (CR2032) x 1 Battery Life: Approx. 3 years
- Controller: 4-bit 1-chip Microprocessor
- Display: Liquid Crystal Display
- Sensor: Non-Contact Magnetic Sensor
- Applicable Wheel Circumference: 1060mm ~ 300cm
- Applicable Fork Diameter: 11.6 to 36.0 (Sensor size: 10.26-21.6mm)
- Weight of Wire: 70g
- Operating temperature: -32°C ~ 104°F [-20°C ~ 40°C]
- Sensor Height: Width x 1.7132 or 2x63.5 x 39 [117mm] ~ 79mm [3.0236 in.] x 1.5748
- The life of the factory-loaded battery which comes with the unit may be shorter than this period.
- The specifications and design are subject to change without notice.

LIMITED WARRANTY

To the extent allowed by law, the product sold hereunder is sold ‘‘as is’’ without any warranty of any kind, whether express or implied, oral or written, including without limitation any implied warranty of merchantability and fitness for a particular purpose.

(Alterations/Attachments and Battery Consumption excluded)

If trouble occurs during normal use, the main unit will be repaired or replaced free of charge. The service must be performed at the CAT EYE Service & Research Center or an Authorized Service Center.

(Added service)

CATEYE CO., LTD
8-25, Kashiwagi, Higashi Sumiyoshi-ku, Osaka 554-0041 Japan
Phone: 303-443-4595 Fax: 800-5CATEYE
E-mail: service@catseye.com
HTTP://www.catseye.com

#169-6565N [#169-6566N]
Brake Sensor Kit [Long]
#169-9730N
Henry Duty Wheel and Bracket Sensor Kit
#169-6567 [#169-6562]
Center Mount Bracket Kit [Long]
#169-6568
Brake Sensor Kit for Aero Bar
#169-6569
Stem Mount Bracket Kit
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