### Specifications/Caracteristicas técnicas/Technische daten/Specifications/Caratteristiche tecniche/Especificaciones

<table>
<thead>
<tr>
<th>Accessory/Component</th>
<th>Description/Descripción/Description</th>
<th>Type/Tipo/Typ</th>
<th>Quantity/Cantidad/Quantität</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedalmagnet</td>
<td>Liquid Crystal Display</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Aimant de Cadence</td>
<td>Liquid Crystal Display</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Battery</td>
<td>Liquid Crystal Display</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

### Limited Warranty

**1-Year Warranty for Main Unit Only**

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 by Cat Eye Co., Ltd. To return the product, pack it carefully and remember to enclose the warranty certificate with instructions for repair. Please write or type your name and address clearly on the warranty certificate. Insurance, handling and transportation charges to our service shall be borne by person desiring service.

**Address for service:**

CATEYE CO., LTD.
2-8-25, Kuwazu, Higashi Sumiyoshi-ku, Osaka 546-0041 Japan
Attn.: CATEYE Customer Service Section

**GARANTIE LIMITÉE**

1 an de Garantie sur l’Unité Principale Uniquement

En cas de problème en cours d'utilisation normale, l'unité principale sera réparée ou remplacée gratuitement. Par Cat Eye Co., Ltd. 

**GARANTIA LIMITADA**

1 Año de Garantía de la Unidad Principal

Si ocurre alguna avería durante el uso normal, la unidad principal será reparada o reemplazada gratuitamente por Cat Eye Co., Ltd. 

**GARANZIA LIMITATA**

1 Anno di Garanzia soltanto sull’Unità Principale

In caso di problema durante l’impiego normale, l’unità principale verrà riparata o sostituita gratuitamente da Cat Eye Co., Ltd. 

**BEGRENZTE GARANTIE**

1 Jahr-Garantie: Auf den Computer


**Adresse Service Réparations:**

CATEYE CO., LTD.
2-8-25, Kuwazu, Higashi Sumiyoshi-ku, Osaka 546-0041 Japan
Attn.: CATEYE Customer Service Section

**Address service:**

CATEYE USA CO., LTD.
2-8-25, Kuwazu, Higashi Sumiyoshi-ku, Osaka 546-0041 Japan
Attn.: CATEYE Customer Service Section

**Service address:**

CATEYE CO., LTD.
2-8-25, Kuwazu, Higashi Sumiyoshi-ku, Osaka 546-0041 Japan
Attn.: CATEYE Kundendienstabteilung or wenden Sie sich bitte an den entsprechenden Importeur.

**GARANTIE AUF WÄHRUNG**

1 Jahr Garantie, alle Ausgaben, Zuführung und Instandsetzung von Batterie und Zubehör (Accessories/Attachments and Battery Consumption excluded)

1-Year Warranty for Main Unit Only (Accessories/Attachments and Battery Consumption excluded)

In case of problem during normal use, the part of the Main Unit will be repaired without charge. The service must be performed by Cat Eye Co., Ltd. To return the product, pack it carefully and remember to enclose the warranty certificate with instruction for repair. Please write or type your name and address clearly on the warranty certificate. Insurance, handling and transportation charges to our service shall be borne by person desiring service.

**Garantie auf Währung:**

1 Jahr Garantie auf Währung


**SERVICE AUF WÄHRUNG:**

1 Jahr Garantie, alle Kosten, Zuführung und Instandsetzung von Batterie und Zubehör (Accessories/Attachments and Battery Consumption excluded)

1-Year Warranty for Main Unit Only (Accessories/Attachments and Battery Consumption excluded)

In case of problem during normal use, the part of the Main Unit will be repaired without charge. The service must be performed by Cat Eye Co., Ltd. To return the product, pack it carefully and remember to enclose the warranty certificate with instruction for repair. Please write or type your name and address clearly on the warranty certificate. Insurance, handling and transportation charges to our service shall be borne by person desiring service.
**MAINTENANCE/PRECAUTIONS**

- Do not leave the main unit exposed to direct sunlight when the unit is not in use. Do not disassemble the main unit, sensor or magnet.
- Check the position of sensor and magnet periodically.
- If mud, sand or the like uncleadle between the buttons and the defensive movement of the buttons may be disturbed. Softly wash away such objects by water.
- For cleaning, use neutral detergent on soft cloth, and wipe off later with dry cloth. Do not apply paint thinner or alcohol, to avoid damages on the surface.

**BUTTON FUNCTIONS**

- **Mode Button (left button)**
  - The display mode shift mark in the illustrated sequence each time the button is pressed, and the corresponding data is simultaneously displayed on the sub-display. If the mode button is held for over 2 seconds, 24-hour clock will be displayed.
- **Start/Stop Button (right button)**
  - Measuring of the Trip Distance and Elapsed Time is simultaneously started or stopped when the Start/Stop button is pressed. Pressing the speed operation and speed scale flickers.
  - Pressing the mode button can shift the display data from Current Speed to Cadence when Auto Mode is functioning.
- **Set Button (middle button)**
  - When the Set Button is pressed in the stop state in each mode, the following values can be changed:
    - (In (O) mode) 
      - Wheel Circumference
    - (In (T) (O) (A) mode) 
      - on/off the Automatic Start/Stop
  - **RESET:** Select any mode except Total Distance (O), and press the mode button and Start/Stop button simultaneously. The memorized Trip Distance, Elapsed Time, Average Speed and Maximum Speed will be cleared when the two figures are alternately displayed in O mode, the wheel circumference stored will be displayed.
  - **ALL CLEAR:** When the AC button is pressed, all data stored in memory (trip distance, speed scale, wheel circumference and clock time) will be cleared. All the memory data illuminates, then the display symbol alone appears. This operation should be executed only when irregular displays or no displays appear. Since all the memories are erased, please, set the main unit again according to "Main Unit Preparation".

**MAIN UNIT PREPARATION**

- For accurate 24-hour clock setting, use your radio time signal.
- **How to replace the battery (Figure 6)**
  - If the display becomes invisible from the front, it is time for replacing battery.
  - Prepare a new battery (LR03 (927)), in advance, before taking out the old battery.
  - Insert a new battery so that it is aligned to the contact, as shown in the figure, and replace. Be careful not to press the buttons. Replacement must be done promptly (within 10 seconds).
- After replacement, don’t press AC button, because the data including total distance (odometer) is continuously measured.
- However, the following malfunction might occur after replacement:
  - **No display appears.**
  - **Unusual display appears.**
  - **Display is O.K., but button don’t work.**
  - In the above cases, press AC button so that display / buttons returns to normal. (If AC button is pressed, all the data including odometer is erased. Please refer to "Main Unit Preparation" in the operating instructions.)

**MEASURING AND DISPLAY FUNCTIONS**

- **S Current Speed**
  - 0.030 (3.0) to 65.9 km/h (27 inch)
  - ± 0.3 km/h
- **O Total Distance (Odometer)**
  - 0.0 to 99,999.9 km ± 0.1 km
  - Continuously measured unless all clear operation is done. At 1.0 km (1 mile), the increment becomes 1 mile/km. At 100,000 km, it returns to zero and counting begins anew.
- **P Maximum Speed**
  - 0.030 (3.0) to 65.9 km/h ± 0.3 km/h
  - With Reset operation, it returns to zero and counting begins anew.
- **A Average Speed**
  - 0.0 to 65.9 km/h ± 0.3 km/h
  - ± 0.003 km/h
  - ± 0.003 km/h
- **D Trip Distance**
  - 0.00 to 99,999.9 km ± 0.1 km
  - ± 0.003 km
  - ± 0.003 km
- **E Elapsed Time**
  - 0.00000 to 9.99999 hours ± 0.00001
  - ± 0.003 km/h
  - ± 0.003 km/h
- **C Cadence**
  - 0.00 to 299 rpm (sub-display) ± 1 rpm
  - 0.0 to 29.9 rpm

**Power Saving Function**

- When the Display response is slow. If it is at a low temperature under 32°F (0°C),
  - It returns to normal state when temperature rises.
- No display. Has the Lithium Battery in the main unit worn out?
  - Replace the Lithium Battery with a new one.
- Incorrect data appears.
- Execute "All Clear" operation.
  - Current speed: Check the contact on the back with metal. The unit will function normally if the speed display appears.
  - Display response is slow.
  - Is there any on the contact of the main unit or of the bracket?
  - Wipe the contact clean.
  - Is the distance between sensor and magnet too far?
  - Refer to "Sensor/Magnet Mounting" and re-adjust correctly.
  - Is the wire broken?
  - Replace the Bracket & Sensor part with a new one.
- Transmission signal is weak.
  - Water or condensation may collect between the bracket sensor and the computer causing an interruption.
  - Wipe the contacts with dry cloth. Contacts can also be treated with a water repellent silicon jelly from an automotive parts or hardware store. Do not use industrial water repellent; it may damage the unit.
- When the START/STOP Button is pressed, the unit doesn’t activate or stop.
  - Is the unit in the Auto mode?
  - The START/STOP Button doesn’t function in the Auto function.

**Specifications**

- **Applicable Cycle Sizes**
  - 10 mm to 2.999 mm
- **Applicable Fork Diameter**
  - 11ø - 36ø (S:11-26ø  L:21-36ø)
- **Power Supply**
  - 3.0 V Lithium Battery (CR2032)
- **Battery Life**
  - Approx. 3 years (The life of the factory-loaded battery may be shorter)
  - ± 0.1/15.4 mm ± 0.05% (0.025 mm)
  - ± 0.003 km
  - ± 0.003 km

The specifications and design are subject to change without notice.
Wheel Sensor/Magnet Mounting

1. The spokes must run correctly through the inside of the magnet as in Fig.1.
2. Attach the Wheel Sensor to the rear area of the left chain stay with Sensor Band-A(S) & -B(S), following the instruction below (Fig.4):
   1. Insert the Band-B into the slit of the Band-A, and put the Rubber Pad inside of the Band-A (Fig.2). Adjust the length in order that the screw-fastening part of the Bands are parallel when mounted to the chain stay (Fig.3).
   *To pull out the Band-B from Band-A, tug strongly.
2. Mount the adjusted Bands to the chain stay along with the Wheel Sensor, by temporarily tightening the screw (Fig.5). Align the Center of Magnet and the Sensor’s Marking Line, and make sure of 1mm clearance between the Magnet and Sensor (Fig.4,6). Then tighten the screw securely. Cut the excess of the Band-B with a nipper or the like.

Figure 7 shows how to attach the wheel magnet on ATB or MTB bikes, where the gap between the chainstay and spoke is extra wide. Attach the sensor as close to the wheel magnet as possible, but don’t let them touch one another.

Wheel Sensor/Magnet Mounting

1. Securely fasten the cadence magnet on the inside of the left crank with the adhesive tape and wire clip. (Fig.1)
2. Attach the Cadence Sensor to the front area of the left chain stay by using Sensor Band-A(L) & -B(L), in the same procedure as the Wheel Sensor (Fig.2). Align the Center of Magnet and Marking Line of the Sensor, and make sure of approx. 1mm clearance between them (Fig.3,4).

Wire Securing/Bracket Mounting

1. Clamp the wire with the wire securing tape and wire clip as shown in Fig.1 & 2. Wind the wire around the outer cable to reach the handlebar and adjust the length. Loosen the wire in the area marked with the arrow so that the wire does not hinder handlebar operation.
2. Use either the 1mm or 2mm thick rubber pad if necessary, according to the handlebar diameter as shown in Fig.3.

Main Unit Mounting

Mount the main unit onto the bracket by sliding it from front to the rear until it clicks into position. When removing it, while pushing the lever, slide it off forward.

Test
Mount the main unit on the bracket. Lift the rear wheel off the ground and spin the wheel checking that Current Speed (S) is displayed. Also, revolve the pedal to check that Cadence (C) is displayed. If not, adjust positions of magnet and sensor following the instruction on „Magnet Mounting“. Refer to the following pages for the operation of the main unit.