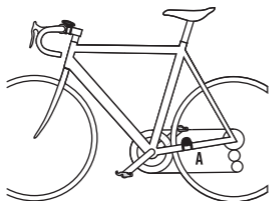


POLAR CS CADENCE SENSOR W.I.N.D.

User Manual

POLAR[®]
LISTENS TO YOUR BODY

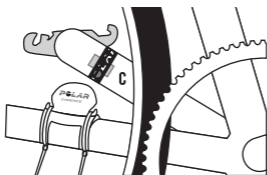
1



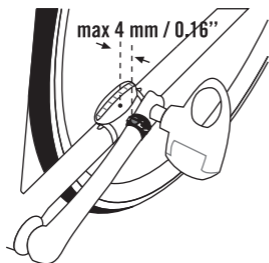
2



3



4



Polar CS cadence sensor W.I.N.D. is designed to measure cadence, i.e. crank revolutions per minute when cycling. No other use is intended or implied.

The latest version of this user manual can be downloaded at www.polar.com/support.

Please follow the pictures on the front cover.

Product Elements

1. Cadence Sensor (picture 1 A)
2. Cadence Magnet (picture 3 C)

Installing the Polar Cadence Sensor

For a video tutorial, go to www.polar.com/en/polar_community/videos.

To install the cadence sensor and cadence magnet, you need cutters.

1. Check the chain stay for a suitable place for the cadence sensor. Do not install the sensor on the same side as the chain. The Polar logo on the sensor should be facing away from the crank (picture 1).
2. Attach the rubber part to the sensor (picture 2).
3. Clean and dry a suitable place for the sensor and place the sensor on the chain stay. If the sensor touches the rotating

crank, move the sensor slightly upwards. Pass the cable ties over the sensor and rubber part. Do not tighten them fully yet (picture 3).

4. Place the cadence magnet vertically on the inner side of the crank. Before attaching the magnet, clean and dry the area thoroughly. Attach the magnet to the crank and secure with the tape (picture 3).
5. Fine-tune the positioning of both the cadence magnet and the sensor so that the magnet passes close to the sensor without actually touching it. The gap between the sensor and the magnet should be under 4 mm/0.16".

The gap is correct when you can fit a cable tie between the magnet and the sensor.

There is a small caved dot at the backside of the sensor, which indicates the spot the magnet should be pointing at when passing the sensor (picture 4).

6. Rotate the crank to test the cadence sensor. The flashing red light on the sensor indicates that the magnet and the sensor are positioned correctly. Tighten the cable ties securely and cut off any excess cable tie ends.

Cadence Sensor Teaching

Your new cadence sensor must be introduced to your Polar training computer in order to receive cadence data. This enables training in a group without interference from other sensors.

The Polar training computer and sensor that came with the product set have already been synchronized but teaching is necessary when you start using a new sensor.

For further information on teaching, refer to the user manual of Polar training computer in question.

Care and Maintenance

Keep the cadence sensor clean. Clean it with a mild soap and water solution, and rinse off with clean water. Dry it carefully with a soft towel. Never use alcohol or any abrasive material, such as steel wool or cleaning chemicals. Do not immerse the cadence sensor in water.

Your safety is important to us. Check that you can turn your handlebars normally, and that the cable wires for brakes or gears do not catch the sensor. Make sure the sensor does not disturb pedaling or using the brakes or gears. While riding your bike, keep your eyes on the road to prevent possible accidents and injury. Avoid hard hits as these may damage the sensor.

Cadence sensor battery

The battery cannot be replaced. The sensor is sealed in order to maximize mechanical longevity and reliability. To purchase a new sensor contact your authorized Polar Service Center or retailer.

Frequently Asked Questions

What should I do if...

...the cadence reading is 0 or there is no cadence reading while cycling?

- Make sure the position and distance of the cadence sensor to the crank magnet are appropriate.
- Check that you have activated the cadence function in the Polar training computer. For further information, see Cadence Sensor Teaching.
- If the 0 reading appears irregularly, this may be due to temporary electromagnetic interference in your current surroundings.
- If the 0 reading is constant, you may have exceeded 3000 riding hours and the battery is empty.

...there are irregular cadence or heart rate readings?

- Disturbance may occur near microwave ovens and computers. Also WLAN base stations may cause interference when training with Polar cadence sensor W.I.N.D. To avoid erratic reading or misbehaviors, move away from possible sources of disturbance.



Frame material may affect the transmission range.

Technical Specification

Operating temperature:	-10 °C to +50 °C / +14 °F to +122 °F
Battery life:	Average 3000 riding hours
Accuracy:	±1 %
Material:	Thermoplastic polymer
Water resistance:	Splash proof

Limited Polar international Guarantee

- This guarantee does not affect the consumer's statutory rights under applicable national or state laws in force, or the consumer's rights against the dealer arising from their sales/purchase contract.
- This limited Polar international guarantee is issued by Polar Electro Inc. for consumers who have purchased this product in the USA or Canada. This limited Polar international guarantee is issued by Polar Electro Oy for consumers who have purchased this product in other countries.
- Polar Electro Oy/Polar Electro Inc. guarantees the original consumer/purchaser of this device that the product will be free from defects in material or workmanship for two (2) years from the date of purchase.
- **The receipt of the original purchase is your proof of purchase!**
- The guarantee does not cover the battery, normal wear and tear, damage due to misuse, abuse, accidents or non-compliance with the precautions; improper maintenance, commercial use, cracked, broken or scratched cases/displays, elastic strap and Polar apparel.
- The guarantee does not cover any damage/s, losses, costs or expenses, direct, indirect or incidental, consequential or special, arising out of, or related to the product.
- Items purchased second hand are not covered by the two (2) year warranty, unless otherwise stipulated by local law.
- During the guarantee period, the product will be either repaired or replaced at any of the authorized Polar Service Centers regardless of the country of purchase.

Guarantee with respect to any product will be limited to countries where the product has been initially marketed.

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Polar Electro Oy is a ISO 9001:2008 certified company.



This product is compliant with Directives 93/42/EEC, 1999/5/EC and 2011/65/EU. The relevant Declaration of Conformity is available at www.polar.com/support.

Compliance Statement

Canada

Polar Electro Oy has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

Polar Electro Oy n'a approuvé aucune modification apportée à l'appareil par l'utilisateur, quelle qu'en soit la nature. Tout changement ou toute modification

peuvent annuler le droit d'utilisation de l'appareil par l'utilisateur.

Industry Canada (IC) regulatory information

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Avis de conformité à la réglementation d'Industrie Canada

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Class B digital device notice

This Class B digital apparatus complies with Canadian ICES-003, RSS-Gen and RSS-210.

Cet appareil numérique de la classe B est conforme à la norme NMB-003, CNR-Gen et CNR-210 du Canada.

USA

Polar Electro Oy has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

FCC regulatory information

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.

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:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/ TV technician for help.

This product emits radio frequency energy, but the radiated output power of this device is far below the FCC radio frequency exposure limits. This equipment complies with FCC RF radiation exposure limits for an uncontrolled environment. Nevertheless, the device should be used in such a manner that the potential for human contact with the antenna during normal operation is minimized.



This symbol shows that Polar products are electronic devices and are in the scope of Directive 2002/96/EC of the European Parliament and of the Council on waste electrical and electronic equipment (WEEE) and batteries and accumulators used in products are in the scope of Directive 2006/66/EC of the European Parliament and of the Council of 6 September 2006 on batteries and accumulators and waste batteries and accumulators. These products and batteries/accumulators inside Polar products should thus be disposed of separately in EU countries.

Disclaimer

- The material in this manual is for informational purposes only. The products it describes are subject to change without prior notice, due to the manufacturer's continuous development program.
- Polar Electro Inc./Polar Electro Oy makes no representations or warranties with respect to this manual or with respect to the products described herein.
- Polar Electro Inc./Polar Electro Oy shall not be liable for any damages, losses, costs or expenses, direct, indirect or incidental, consequential or special, arising out of, or related to the use of this material or the products described herein.

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