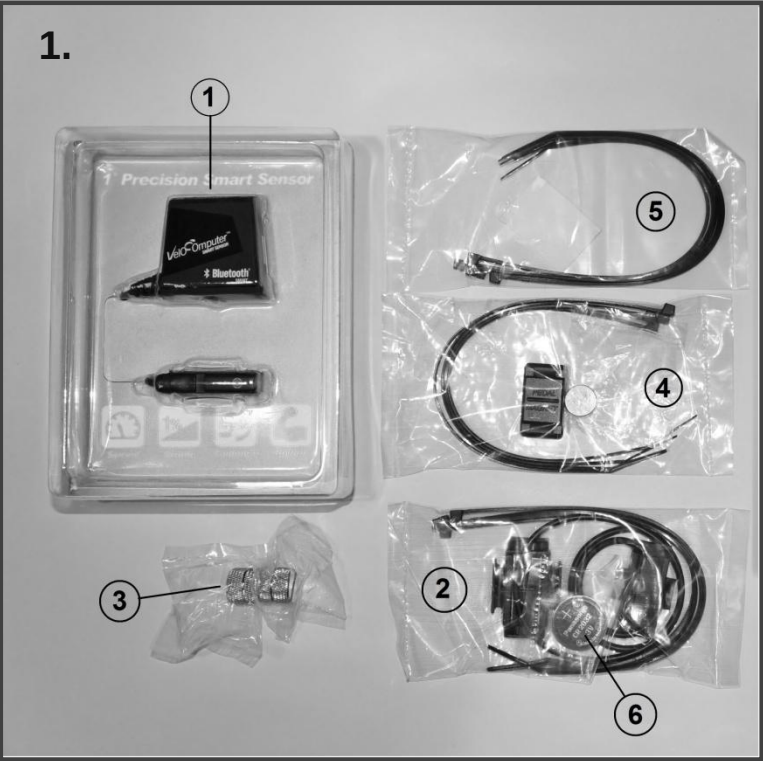


VELOCOMPUTER™ BLUETOOTH SMART SENSOR 4.5 USER MANUAL

This user manual contains instruction for **VeloComputer™** Bluetooth Smart Sensor ver. 4.5

The latest version of this user manual can be found at www.velocomputer.com

Register your product at <http://velocomputer.com/views/signup>



1. Package content

Please, verify that all parts are included as described below.

1. Main sensor case with magnetic field sensor connected via wire.
2. Main sensor case holding bracket with 4 mounting zip ties and rubber O-rings, 3 sizes.
3. 2 spoke magnets for the wheel (should be attached face-to-face to each other).
4. 2 types of magnets for the crank (round with adhesive film and black in a plastic enclosure for zip tie fastening).
5. 4 zip ties with clear tape to better secure sensor cable to the left chain-stay.
6. CR2032 coin cell battery.

2. Test the sensor first before installing it on your bicycle.

1. Download and install **VeloComputer™** application from the App store.
2. Without completely removing the sensor from the cardboard install a 3 volt CR2032 coin cell battery into the main sensor case. The positive (+) side of the battery will be visible after you insert it into the main sensor case. You may need a coin to open the battery cover.
3. To turn on the sensor move a magnet over the main sensor case where **< RPM sensor >** is indicated.
4. The orange and blue LED will flash together indicating Bluetooth discovery mode.
5. Start application. It will go to **Find VeloComputer sensor** option. Your sensor will appear in the list of available Bluetooth devices as "VeloCom45 ABCXYZ ". Click on it to connect. Once connected the blue LED shall be flashing once every 5 seconds.
6. Check VeloComputer sensor battery level. This will assure the sensor is properly connected.

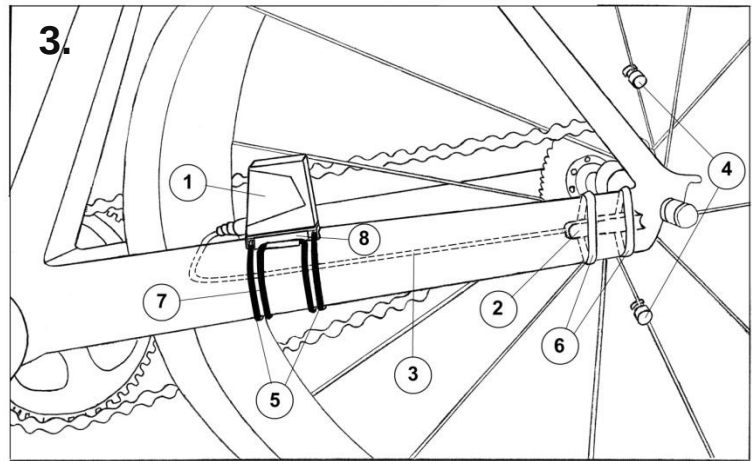
If no LED light up after you insert a battery :

- a) Check the polarity of the battery. The positive (+) side of the battery should be visible.
- b) Check if the battery is aligned correctly inside the sensor case and not at an angle.
- c) Try another battery.

If you see both LED lights but the VeloComputer app can't find the Bluetooth sensor :

- a) Without exiting the app remove and replace the battery and try to find the sensor again. Make sure both blue and orange LED are flashing.
- b) Move a magnet over the main sensor case where **< RPM sensor >** is indicated and wait for blue and orange LED both are flashing. Then find the sensor again from the app.

If you still experience troubles testing the sensor please contact support@velocomputer.com with your name, sensor ID, phone or Skype number.

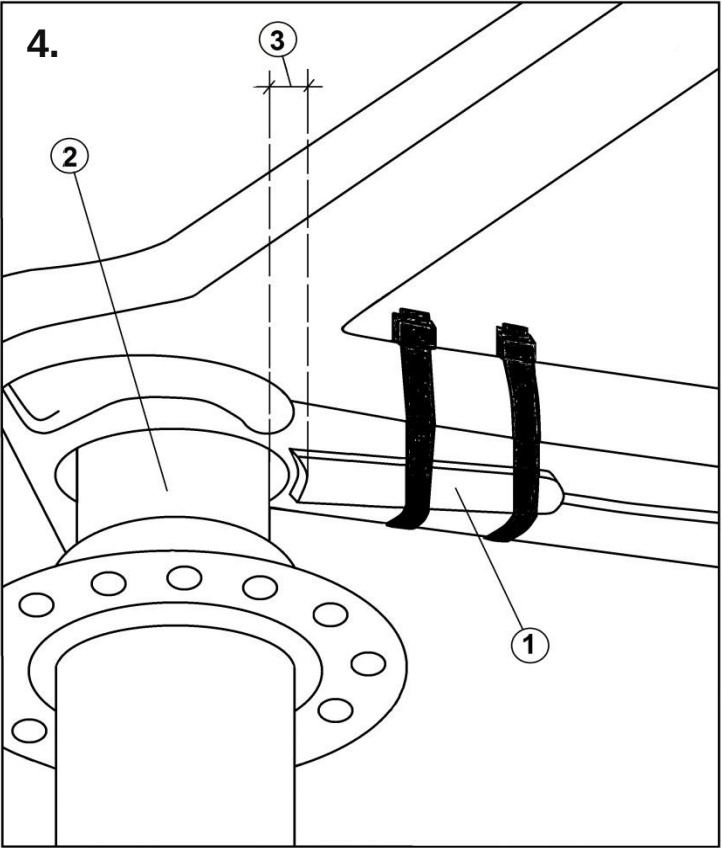


3. Installation overview

1. The main sensor case (1) slides into a holding bracket (8) which is installed on the left chain-stay and fastened with zip ties (5) and a rubber O-ring (7).
2. The magnetic field sensor (2) connected by wire (3) to the main sensor case (1) is positioned next to the rear hub on the left chain-stay and detects magnetic field from a pair of magnets (4). It's fastened with zip ties (6).

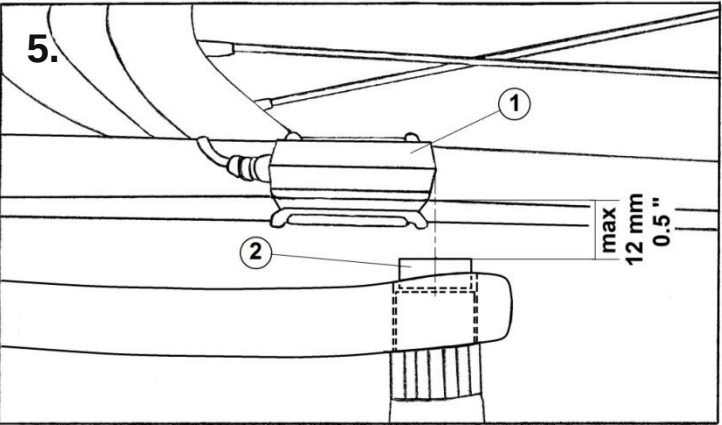
Attach spoke magnets

- a) Install the top magnet (4) on a spoke approximately 5 cm (2") from the axle.
- b) Install the bottom magnet (4) opposite (180°) of the first one on the same side of the wheel and at the same distance from the axle.
- c) Make sure to install both pieces with the magnets facing out.



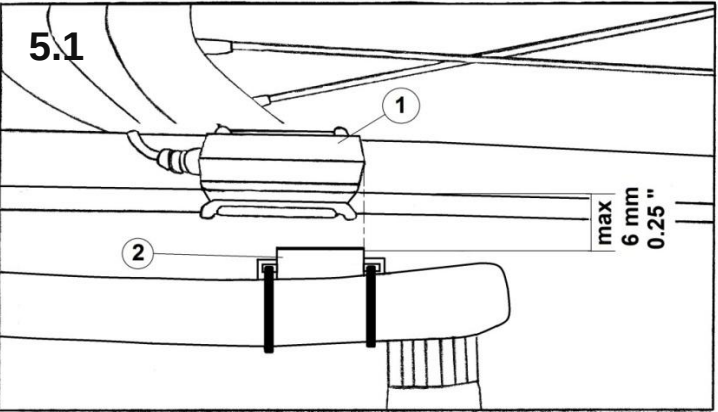
4. Attach magnetic field sensor

1. Remove protective film from the adhesive tape on the back of the magnetic field sensor (1). Attach the magnetic field sensor (1) next to the rear hub (2) so that the end of the sensor almost touches the hub. The gap (3) shall be small enough so you can remove and replace the wheel without touching the magnetic field sensor (maximum gap (3) shall not exceed 6 mm or 1/4").
2. Secure the magnetic field sensor (1) with black zip ties.
3. Run the cable to the main sensor on the inside of the left chain stay. You can secure it with a clear adhesive tape and zip ties.



5. Attach main sensor case

1. Place the main sensor (1) with a holding bracket on the left chain-stay using the rubber O-ring. Do not use zip ties until you adjust the position of the sensor.
2. Install the round magnet (2) on the inside indent where the pedal is mounted on the crank.
3. Make sure the sensor is placed so the magnet on the crank passes the sensor within 12 mm (1/2") from the edge of the main sensor marked with < RPM Sensor>.



- 5.1** If the round magnet does not stay securely you can use cadence magnet (2) in a black housing and attach it with zip ties.