




singular wings HR-1xx SENSOR Heart Rate Sensor User Manual

[Home](#) » [singular wings](#) » singular wings HR-1xx SENSOR Heart Rate Sensor User Manual 

Contents

- [1 singular wings HR-1xx SENSOR Heart Rate Sensor](#)
- [2 SENSOR TECHNICAL SPECIFICATIONS](#)
- [3 USA –FCC regulatory information](#)
- [4 Documents / Resources](#)
- [5 Related Posts](#)

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SENSOR TECHNICAL SPECIFICATIONS

Dimensions:	58.5mm x 28.5mm x 9.9mm
Materials: (electrode)	PC/ABS (housing), stainless
Net Weight:	15g (0.53 oz)
Physiological Sensor:	Heart Signal, Respiration Signal
Heart Rate:	30~240 bpm(± 1 bpm)
R-R Interval:	250~2000 ($\pm 10\%$) ms
Sampling Rate (Hz):	250 Hz
Operating Temperature:	15°C~50°C (59°F~122°F)
Communication:	Wireless 2.4GHz
Transmission Range:	Up to 3 meters (10 feet)
Data Save:	Connects to APP
Power Supply:	Li-ion polymer
Charging Time:	3 hours (0 to 100%)
Charging Temperature:	0°C~45°C (32°F~133°F)
Button Function:	On/Off
Indicators:	RGB LED and Motor Vibrator

HOW TO WEAR: STRAP – PICTURE

Place the sensor on the snap connectors and push until you hear a CLICK!-. Wet the inside of the strap and wear it on the torso, under the chest, and be sure that the button of the sensor is pointed towards your right arm. Don't wear the strap over a t-shirt or any other garment.

HOW TO WEAR PATCH – PICTURES

Place the sensor on the patch connectors and push until you hear a -CLICK!-. Tear of the sticker. Wear the patch on the chest as shown in picture 6.

TURN ON / OFF To turn on sensor press the button. The LED light flashes red once than continues to flash blue and long vibration to indicate that the power is on. When sensor LED light flash blue, press the sensor button. The LED light out and triple vibration to indicate that the power is off.

BLUETOOTH PAIRING

First, turn on sensor until the LED light flash blue, then turn on the Bluetooth on your mobile device and enter the BEAT INFO software to connect. The sensor LED flashing green light indicate that has been correctly connected.

CHARGING THE SENSOR

Place sensor in the small charging dock you found in the box. The sensor button must be outside of the dock. Connect the dock to USB cable. Connect the USB cable to a USB charger or PC USB. The flashing red light indicates that charging is in progress. The green light indicates that charging has been completed. :

TAKING CARE FOR YOUR SENSOR

Sensor: to preserve the sensor remember to regularly clean the snap connectors and the sensor with a dry soft towel. Strap: rinse with running water after use.

Wash regularly. Remember that strap doesn't last forever. It wears out like any other garment you wear and wash regularly.

PRECAUTIONS

The sensor and other Singular Wings products (sensors, apps and accessories) are designed to measure the level of heart rate (ECG/EKG), respiration rate, temperature during daily activities and exercise sessions. With compatible apps and accessories the sensor can also monitor calories, HRV and can track your position, distance and location. No other use is intended or implied. The sensor is CANNOT be used by the following people: pregnant women, child and patients who have already installed pacemaker. It also cannot be used with cardiac defibrillator (AED), computed tomography (CT), magnetic resonance imaging (MRI) or neurostimulator. If you are allergic to any substance that comes into contact with your skin or you suspect an allergic reaction due to using the product please check the Material Specifications. In case of allergic reactions stop using the product and immediately contact your doctor.

REPAIR INFORMATION

During the warranty time, please contact your local dealer for warranty issues. Customers should keep the receipt as proof of purchase. Unauthorized or self repair, or attempt to open the sensor will invalidate the warranty.

LIMITED INTERNATIONAL WARRANTY

Singular Wings Medical Co., Ltd. issues a limited international warranty for its products. Please contact your local dealer for warranty issues. The relevant declarations of conformity and other regulatory informations and documents are available at this web page:

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. Singular Wings Medical Co., Ltd. makes no representations or warranties with respect to this manual or with respect to the products described herein. Singular Wings Medical Co., Ltd. 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.

MODEL LIST

HR-101 Function: ECG, Respiration – Logo: BEATINFO

HR-111 Function: ECG, Respiration, ACC, Gyro – Logo: BEATINFO

HR-121 Function: ECG, Respiration, ACC, Gyro, Mag. – Logo: BEATINFO HR-131 Function: ECG, Respiration, ACC, Gyro, Mag., Baro., Temp. – Logo: BEATINFO

EC-100 Function: ECG – Logo: CARDINOVA

CONTACT INFORMATION

Manufacture

Singular Wings Medical Co., Ltd.

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IMPORTER

USA –FCC regulatory information

UFCC 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. 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 forth for an uncontrolled environment.

CAUTION:

To assure continued FCC compliance:

- Any changes or modifications not expressly approved by the grantee of this device could void the user’s authority to operate the equipment.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

BATTERY SPECIFICATION

Over Voltage Protection for charge (OVP): Shut down the circuitry and stop charge if one cells’ voltage is 4.425V±0.020/Cell


Over Current Protection for charge (OCP): Charge current 0.4~1.0A

Over Temperature Protection for charge (OTP):

≥50°C ± 3°C / ≤ 0°C ± 3°C

Cell body surface limit temperature (°C):130

Documents / Resources

	singular wings HR-1xx SENSOR Heart Rate Sensor [pdf] User Manual HR-XXX, HRXXX, 2ATSRHR-XXX, 2ATSRHRXXX, HR-1xx SENSOR Heart Rate Sensor, HR-1xx SENSOR, Heart Rate Sensor
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