

DEVICE DESCRIPTION

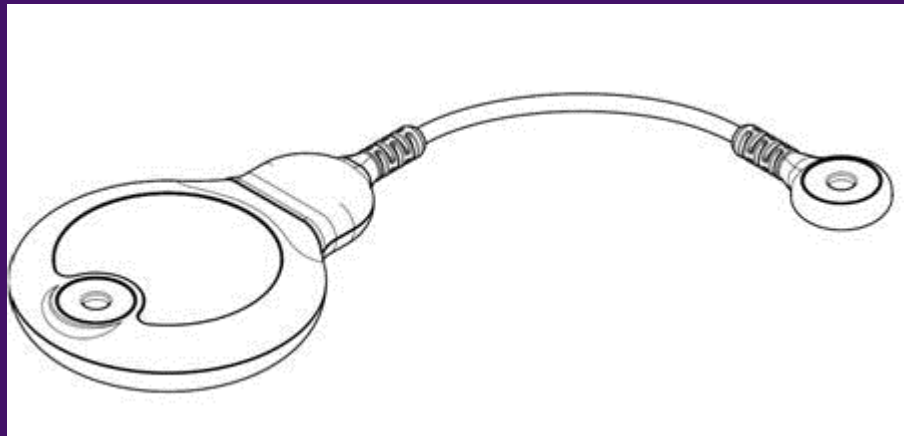
Ismo Pellikka

IXONOS

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DEVICE

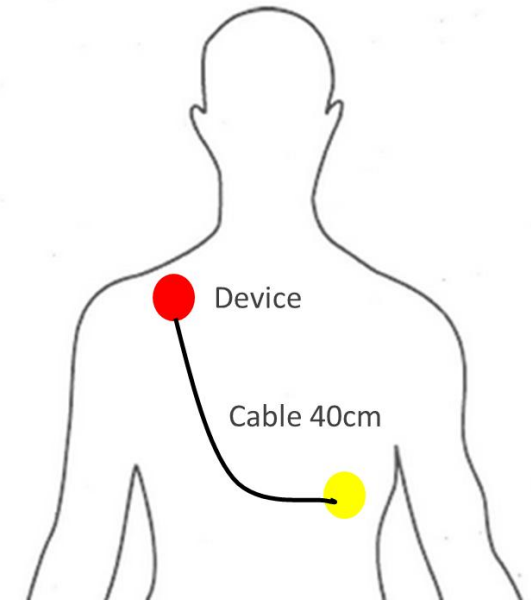


DEVICE FUNCTIONALITY

- Device measures human heart rate as R-R intervals and 3D movement. It stores the data to internal data storage for further data upload to PC or web service. Device can measure 24 hours a day for up to 6 days.
- Device can also record ECG but it is not used for diagnostic purposes. Device's main purpose is to measure and record R-R peak intervals.
- Device is only used for measuring purposes. Measurement data will be used for different kind of well being analysis and also sport activities like individual or team training follow up.
- Device USB interface is Custom class USB. Device does not need a locally installed device driver but it demands inf-file to be installed. Device has type A USB connector and no cables needed for connection to PC.
- Device has 155mAh internal re-chargeable battery inside. Device cannot be opened and covers are ultrasonic welded. Battery is charged via USB.
- Microprocessor clock frequency is 8MHz in measuring mode and 32MHz in USB mode.

DEVICE FUNCTIONALITY

- Device is placed on the right part of the chest just below collarbone by sticker electrode. Device has another electrode which is connected with cable to device. This other electrode is connected on left side on the lowest ribs. The device is attached with standard sticker electrodes.
- Device don't have power button and it will start measure right after device is connected.
- Electrodes are isolated from electronics when cable is disconnected. When USB is connected, it is not possible to have connection to electrodes.



THANK YOU

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Ismo Pellikka
HW Project Manager
Ismo.pellikka@ixonos.com
+358 40 5678 594