

BITalino HeartBIT Bundle Data Sheet

BUNDLE-REV-HEARTBIT-BT

FEATURES

- > Electrocardiography (ECG)
- > Assembled ECG sensor
- > Pre-assembled Bundle
- > Easy-to-use
- > Plug & Play
- > Raw data acquisition
- > Battery charger
- > Affordable

APPLICATIONS

HeartBIT is a pre-assembled bundle specially designed (non-exclusively) for students, researchers, and teachers who look up for Electrocardiography (ECG) and Photoplethysmography (PPG) data acquisition. It can be very useful in different areas such as:

- > Heart rate & heart rate variability
- > Human-Computer Interaction
- > Biometrics
- > Affective computing
- > Physiology studies
- > Psychophysiology
- > Biofeedback
- > Biomedical devices prototyping

SPECIFICATIONS

- 1x Pre-Assembled [BITalino Core BT](#) (MCU+BT+PWR)
- 1x Complete [Electrocardiography \(ECG\) Sensor](#) with 50 cm leads
- 1x Pulse Sensor UC-E6
- 1x [3D Printed Casing for \(r\)evolution Plugged](#)

- 1x Li-Po Battery 500mAh
- 1x Pre-Gelled Self-Adhesive Disposable Ag/AgCl Electrodes (Pack: 25)
- 1x USB Charging Cable for BITalino
- 1x BITalino-proven Bluetooth Dongle

GENERAL DESCRIPTION

The BITalino HeartBIT bundle is designed for everyone who wants to measure cardiac activity measurements (e.g. heart rate & heart rate variability) by evaluating electrocardiography (ECG) signals. This bundle is completely assembled with our 3D Printed Casing for BITalino (r)evolution Plugged making it more convenient to use, wearable, sharable & transportable. The core of our MuscleBIT is our BITalino Core BT allowing the user to connect more sensors in the future if convenient. The bundle includes complete assembled ECG sensor with 50 cm lead and one basic pulse sensor for photoplethysmography complete with all the accessories to facilitate placement at the fingertip or ear lobe. Our cross-platform OpenSignals software enables instant data visualization and recording.



Fig. 1. HeartBIT bundle



PLUX – Wireless Biosignals, S.A.
Av. 5 de Outubro, n. 70 – 2º.
1050-059 Lisbon, Portugal
bitalino@plux.info
<http://bitalino.com/>

REV A

© 2019 PLUX 

This information is provided "as is," and we make no express or implied warranties whatsoever with respect to functionality, operability, use, fitness for a particular purpose, or infringement of rights. We expressly disclaim any liability whatsoever for any direct, indirect, consequential, incidental or special damages, including, without limitation, lost revenues, lost profits, losses resulting from business interruption or loss of data, regardless of the form of action or legal theory under which the liability may be asserted, even if advised of the possibility of such damages.



BEWARE: DIRECT OR INDIRECT COUPLING TO THE MAINS MAY RESULT IN SHOCKING HAZARD

