

BITalino MuscleBIT Bundle Data Sheet

BUNDLE-REV-MUSCLEBIT-BT

FEATURES

- > Electromyography (EMG)
- > Pre-assembled Bundle
- > Assembled sensors
- > Easy-to-use
- > Plug & Play
- > Raw data acquisition
- > Battery charger
- > Affordable

APPLICATIONS

MuscleBIT is specially designed (non-exclusively) for students, researchers, and teachers who want to research on muscle activity. It can be very useful in different areas such as:

- > Human-Computer Interaction
- > Robotics & Cybernetics
- > Physiology studies
- > Psychophysiology
- > Biomechanics
- > Biofeedback
- > Muscle reflex studies
- > Nerve conduction measurement
- > Biomedical devices prototyping

SPECIFICATIONS

- 1x Pre-Assembled [BITalino Core BT](#) (MCU+BT+PWR)
- 4x Complete [Electromyography \(EMG\) Sensor](#) with SnapBIT-DUO
- 1x Ground Cable
- 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 MuscleBIT bundle is designed for everyone who wants to measure muscle activity by evaluating electromyography (EMG) 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 four Assembled Electromyography (EMG) Sensors with SnapBIT-DUO allow repeatedly accurate & fast measurements, once the user can benefit from the pre-fixed electrode distance, 1-lead cable for each sensor (instead of 2-lead or 3-lead cable) and one reference cable for the all sensors connected.

Our cross-platform OpenSignals software enables instant data visualization and recording.



Fig. 1. MuscleBIT 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

