Electromyography (EMG)
Assembled Sensor Data Sheet

BUNDLE-EMG-UCE6 280920

SPECIFICATIONS

> Pre-assembled Electromyography (EMG) sensor with SnapBIT-DUO
> Fixed electrode distance
> Single cable connection

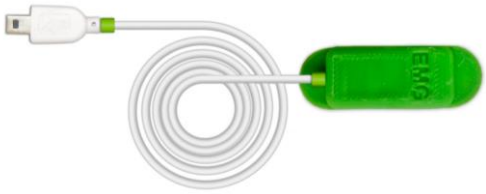

Fig. 1. Assembled EMG sensor – top view.

Fig. 2. Assembled EMG sensor – top (left) and bottom (right) view from the inside.

FEATURES

> Allows basic EMG data acquisition
> Easy to wear
> Plug & play design
> Raw data acquisition

APPLICATIONS

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

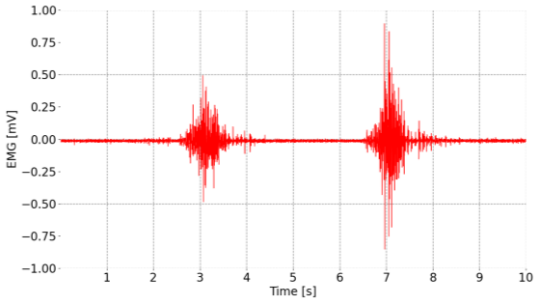

Fig. 3. Typical raw EMG data (acquired with BITalino (r)evolution) on the muscle biceps brachii with flexion of elbow and forearm in supination.

GENERAL DESCRIPTION

The BITalino assembled EMG sensor 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 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). Only one reference cable is needed when working with one or several assembled sensors.

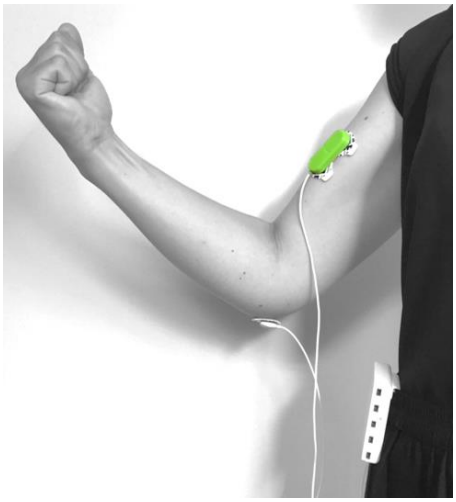

Fig. 4. Example electrode placement of the assembled version along the muscle fibers and the reference electrode on a bone.

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REV A

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

Electromyography (EMG)
Assembled Sensor Data Sheet

TRANSFER FUNCTION
EMG datasheet

PHYSICAL CHARACTERISTICS
EMG datasheet

PACKAGING
Weight: 15 g

ORDERING GUIDE

Part #	Description
BUNDLE-EMG-UCE6	Pre-assembled sensor for muscle activity measurement.