

# Electroencephalography (EEG) Assembled Sensor Data Sheet

BUNDLE-EEG-UCE6 280920

## SPECIFICATIONS

- > Pre-assembled [Electroencephalography \(EEG\)](#) sensor with [SnapBIT-DUO](#)
- > Fixed electrode distance
- > Single cable connection

## FEATURES

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

## APPLICATIONS

- > Human-Computer Interaction
- > Evoked potentials analysis
- > Alpha-wave detection
- > Neurofeedback
- > Sleep studies
- > Neurophysiology studies
- > Psychophysiology
- > Biomedical devices prototyping

## GENERAL DESCRIPTION

The BITalino assembled EEG sensor is designed for everyone who wants to measure brain activity by evaluating EEG 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 EEG 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.

## TRANSFER FUNCTION

[EEG datasheet](#)

## PHYSICAL CHARACTERISTICS

[EEG datasheet](#)

## PACKAGING

Weight: 15 g

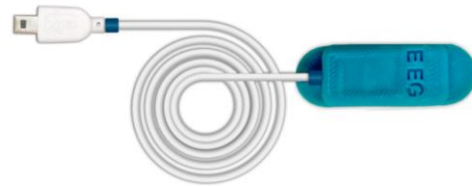


Fig. 1. Assembled EEG sensor – top view.

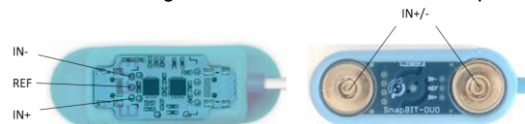


Fig. 2. Assembled EEG sensor – top (left) and bottom (right) view from the inside.

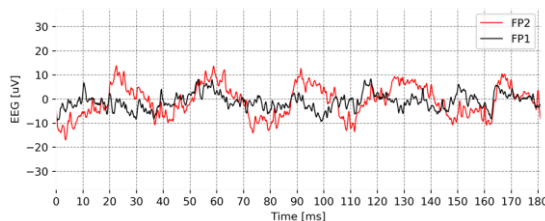


Fig. 3. Typical raw EEG data (acquired with BITalino (r)evolution) - Fp1 (black) and Fp2 (red) positions in the 10-20 EEG system placement.



Fig. 4. Example electrode placement of the assembled version on the forehead and reference behind the ear.

# bitalino

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



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## **ORDERING GUIDE**

<b>Part #</b>	<b>Description</b>
BUNDLE-EEG- UCE6	Pre-assembled sensor for brain activity measurement.