

Self-Adhesive & Disposable Electrodes

Data Sheet

ELECTRODES 18032021

IMPORTANT NOTES

The present document provides the information about the technical characteristics of the Self-Adhesive & Disposable Electrodes provides with or sold for PLUX products incl. BITalino, biosignalsplux and physioplux kits.

All self-adhesive & disposable electrodes are based on the **Covidien Arbo™ H124SG Electrodes**. Based on supplier availability, these electrodes may also be provided with different branding names such as: **Kendal™ ECG Electrodes** or **Cardinal Health**. Images of the electrodes with different brandings are displayed below.



Fig. 1: Electrodes with Covidien branding.



Fig. 2: Electrodes with Arbo branding.



Fig. 3: Electrodes with Cardinal Health branding.

For further details on the H125SG Electrodes, please refer to the original datasheet:

[https://biosignalsplux.com/downloads/docs/datasheets/Covidien Disposable Electrodes \(H124SG\).pdf](https://biosignalsplux.com/downloads/docs/datasheets/Covidien_Disposable_Electrodes_(H124SG).pdf)

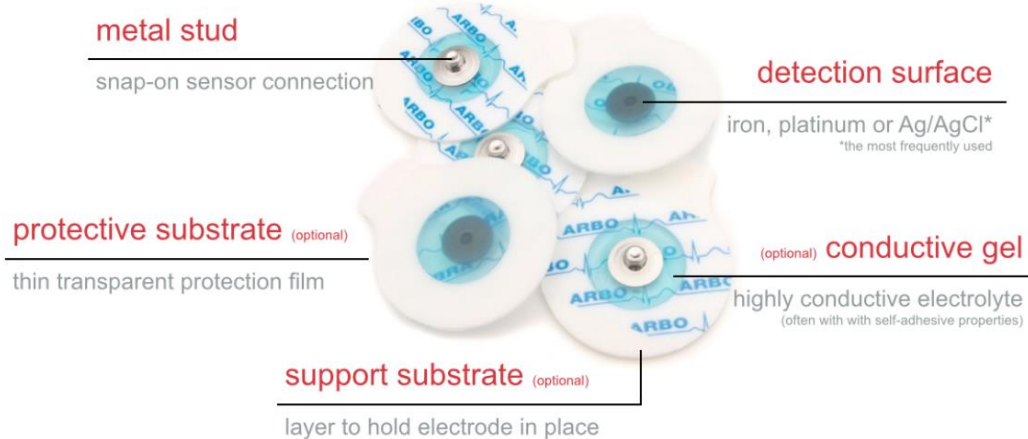


Fig. 4: H124SG disposable electrodes.

biosignalsplux
wearable body sensing platForm

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BASIC PRODUCT INFORMATION

- > **Electrode Size:** Round / Ø24mm
- > **Total Product surface:** 425mm²
- > **Gel area:** 201mm²
- > **Adhesive Area:** 251mm²
- > **Sensor Area:** 80 mm²
- > **Product Thickness (foam):** 1mm
- > **Connector:** Stud
- > **Color (Foam):** White

MATERIALS INFORMATION

- > **Backing material:** Polyethylene foam (PE)
- > **Adhesive Characteristics:** Medical grade pressure sensitive adhesive
- > **Gel Characteristics:** Conductive and adhesive hydrogel
- > **Supporting / black label:** Polypropylene film (PP) transparent
- > **Release liner:** Polyethylene film (PE), one side siliconized
- > **Sensor (Stud Connector):** Polymer Ag/AgCl coated
- > **Adapter / Connector:** Stainless steel
- > **Biocompatibility:** Test according to DIN ISO 10993 passed (tested by the original manufacturer)
- > **Latex Content:** None
- > **Halogenated Hydrocarbon Content (e.g. PVC):** None
- > **Phthalate Derivatives Content (e.g. DEHP):** None
- > **RoHS Directive Compliant:** Yes

COMPATIBLE WITH THE FOLLOWING SENSORS

These electrodes are compatible with the following PLUX sensors of the BITalino, biosignalsplux, and physioplux product lines:

- > Electromyography (EMG)
- > Electrocardiography (ECG)
- > Electrodermal Activity (EDA)
- > Electroencephalography (EEG)
- > Electrooculography (EOG)
- > Electrogastrography (EGG)

APPLICATION NOTES

General application notes are provided here; please refer to the individual sensor documentation for more detailed information about the correct sensor-specific electrode placements.

- > Always use new electrodes; do not reuse these disposable electrodes;
- > Do not use the same electrodes on different persons;
- > Clean the skin surface with an alcohol solution before applying the electrodes to remove dead skin cells, oils and to improve skin conductivity;
- > Do not apply the electrodes over damages skin
- > Do not apply the electrodes on the

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ORDERING GUIDE

Reference	Package Description
870202113	Gelled Self-Adhesive Disposable Ag/AgCl Electrodes (Pack of 50)