EdaMove 4

EDA and Physical Activity Sensor

Quick Start Guide

Welcome

Thank you for choosing the EDA and Physical Activity Sensor **EdaMove 4** from movisens. This sensor represents the latest technology for the mobile monitoring of galvanic skin response and physical activity in everyday life.

Scope of Application

The **EdaMove 4** captures galvanic skin response and physical activity (i.e. skin conductance level (SCL), skin conductance responses (SCR), 3D Acceleration, Angular Rate, Barometric Air Pressure…) and other secondary parameters of a test subject.

It's been designed and tailored for research and scientific applications with a 4 week recording capacity.

Software Installation

Before starting a measurement, you have to install the programs on the USB stick.

- **SensorManager:** Configures the sensor, starts a measurement and downloads the data from the sensor
- **UnisensViewer:** Views and preprocesses the stored data
- **DataAnalyzer:** Analyzes the stored sensor data (30 days free trial version)

Description of the Sensor

Featuring an integrated Bluetooth Smart Interface, the **EdaMove 4** expands researchers' options by allowing integration with the experience sampling platform **movisensXS**.

Comfortably worn on the wrist, the **EdaMove 4** sensors electrodes attach to the palm via adhesive electrodes. A multi-colored LED provides visual feedback on the sensors operation.
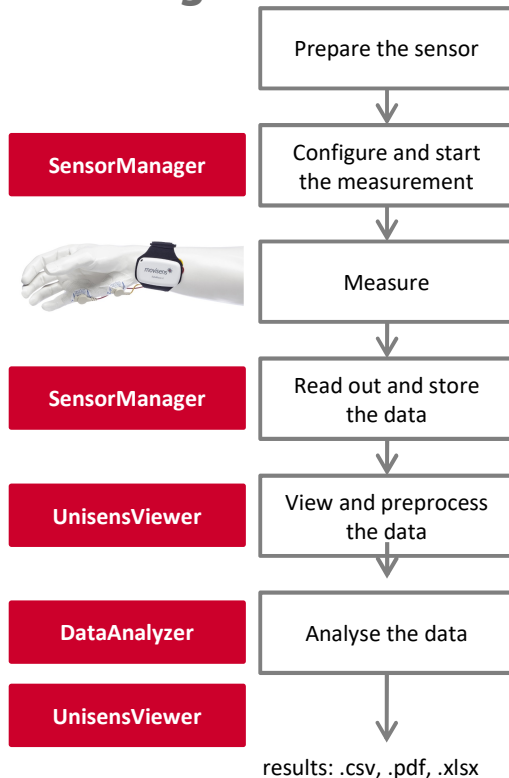
Handling

```
┌─────────────────────────┐
│   Prepare the sensor     │
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            │
            ▼
┌─────────────────────────┐
│  Configure and start     │
│   the measurement        │
└─────────────────────────┘
            │
            ▼
┌─────────────────────────┐
│        Measure           │
└─────────────────────────┘
            │
            ▼
┌─────────────────────────┐
│  Read out and store      │
│      the data            │
└─────────────────────────┘
            │
            ▼
┌─────────────────────────┐
│  View and preprocess     │
│      the data            │
└─────────────────────────┘
            │
            ▼
┌─────────────────────────┐
│    Analyse the data      │
└─────────────────────────┘
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            ▼
```

SensorManager

SensorManager

UnisensViewer

DataAnalyzer

UnisensViewer

results: .csv, .pdf, .xlsx

- **Charge the Sensor**
  Connect the sensor to a USB port until the LED is blinking green. During charging, the status LED is blinking blue.

- **Start** SensorManager
  Connect **EdaMove 4** to the PC, click on "Start Recording" and configure the measurement parameters.

- **Attach the Sensor**
  Fix the adhesive electrodes at the wrist band and place them at the palms. Don't connect the sensor to a PC during measurement, this will stop it!

- **Start** SensorManager
  After the measurement, connect the **EdaMove 4** to the PC, click on "Save Data" and enter the required information.

- **Start** UnisensViewer
  Click on "Show data" directly after storing the data.

- **Start** DataAnalyzer
  Select the desired analysis output to calculate secondary parameters or to generate reports.

Please read the User Manual for further details !