

Owner: Maartje Hoogeveen

Information for participation in Demonstration

Description on the demonstration:

During the demonstration you will wear the CALAMARI underneath your clothing as shown in Figure 1.

After attachment, the CALAMARI is connected to a laptop which will show an interactive display of the data, as described in the software manual (CAL-IM-IFU-003). The GUI shows your ECG, PPG and IMU-Z (SCG) signals during live recording, as shown in Figure 2. The signals are displayed to you and the audience.

While wearing the device, you can try some simple activities. Activities can include but are not limited to resting, sitting, lying down, standing, walking, talking, paced breathing, changing the contact pressure of the PPG probe, hand-gripper exercise and typing. Prohibited activities are activities that include excessive sweating or have any risk on water ingress or damage to the device.

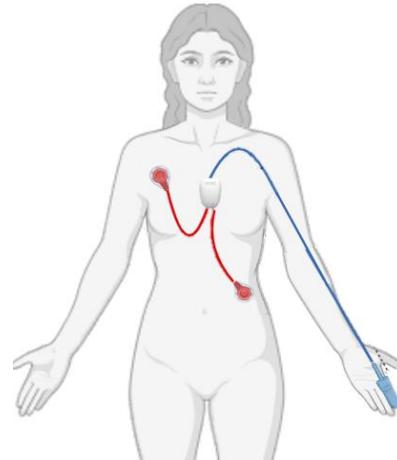


Figure 1: Example of how the CALAMARI should be worn.

You will always participate in the demonstration under supervision of IMEC staff. The demonstration takes maximum 20 minutes.

Please stop device usage right away if:

- The device drops
- Liquid ingresses or you start sweating excessively
- The device or its attachments feel warm or uncomfortable

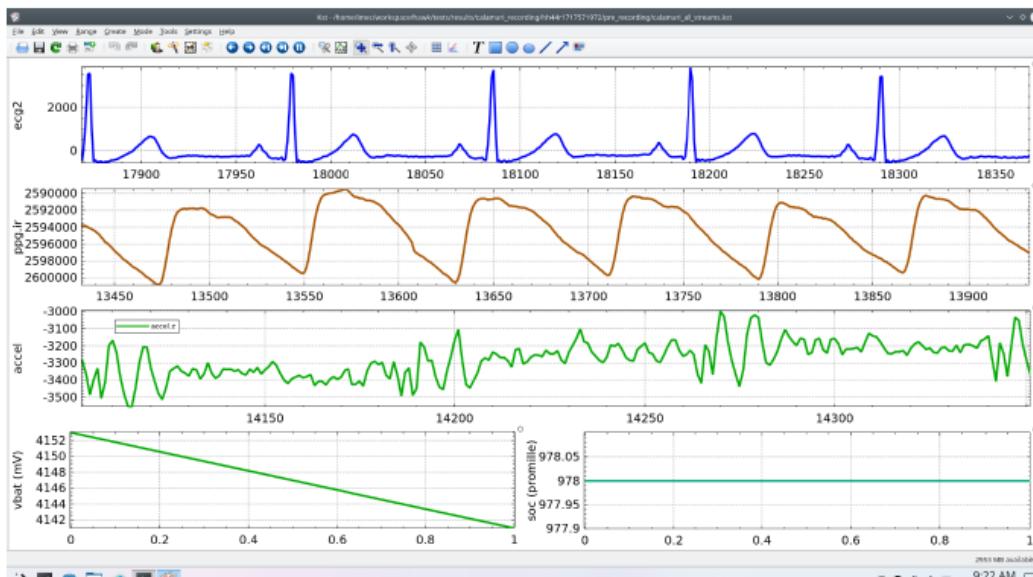


Figure 2: interactive display of the data as will be shown by the interactive GUI.



Demonstration Information Sheet

Calamari demonstration (for training purpose)

Doc.: IM-NL-DIS-2026-0001
Date: 15-01-2026
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Owner: Maartje Hoogeveen

Participation criteria

Participation in this demonstration is completely voluntary.

In case you meet one of the following criteria we ask you **NOT** to participate in this demonstration:

- You are under 18 years of age
- You know you are pregnant
- You suffer from skin irritation or non-intact skin at the sensor attachment sites (sternum, chest, left upper arm, and index, middle or ring finger)
- You have a known allergy to adhesives and/or Ag/AgCl electrodes and/or metals and/or plastic
- You receive medication that is contraindicated to excessive light exposure
- You are sensitive to excessive sweating, or you are otherwise uncertain that you can keep the device away from water exposure
- You are not willing to shave the electrode attachment sites in case this is necessary

Burden and risks associated with participation

During the demo your data is live being displayed in an interactive GUI. Looking at the signals in an audience might be stressful. While looking at the interactive data you or others can do accidental findings on your health.

No known harmful effects from the device are known. Discomfort can be caused by electrode attachment and removal, which can cause skin irritation. In addition, the PPG probe can cause sweating, skin irritation or itchiness at the attached finger.

If you chose to do any activities while wearing the device, make sure you are comfortable doing these activities and you keep the key risks in mind. The key risks are the exposure of the device to liquids which can impair the good functioning of the device. In addition, it is important that you handle it with care, do not bring it close to a heat source (>60°C), do not open the device and keep it away from liquids.

Personal Data

The following personal data will/can be disclosed during this demonstration:

- personal information, like your ECG, PPG and SCG signals
- possible incidental findings, like arrhythmia

All personal information will be deleted by IMEC after the end of the demonstration.

Complaints and Questions

In case of any complaints or questions related to this demonstration, please contact:

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