

## Лекция 02

# Устройства для снятия данных динамической биометрии - ЭЭГ, ЭКГ

02

- Фрагмент 2 - Набор для измерения биометрических показателей от Битроникс. Обзор набора и датчик пульса.
- Фрагмент 3 - Набор для измерения биометрических показателей от Битроникс. Электромиография, Электрокардиография по 1 отведению.
- Фрагмент 4 - Набор для измерения биометрических показателей от Битроникс. Измерение КГР (КГП).
- Фрагмент 5 - Набор для измерения биометрических показателей от Битроникс. Измерение ЭЭГ.
- Фрагмент 6 - Софт для измерений с использованием представленного ранее оборудования

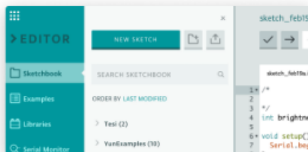
- <https://www.arduino.cc/en/software>


[HARDWARE](#) [SOFTWARE ▾](#) [DOCUMENTATION ▾](#) [COMMUNITY ▾](#) [BLOG](#) [ABOUT](#)

### Arduino Web Editor

Start coding online and save your sketches in the cloud. The most up-to-date version of the IDE includes all libraries and also supports new Arduino boards.

[CODE ONLINE](#) [GETTING STARTED](#)





## Downloads



### Arduino IDE 1.8.13

The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. This software can be used with any Arduino board.

Refer to the [Getting Started](#) page for Installation instructions.


#### SOURCE CODE

Active development of the Arduino software is [hosted by GitHub](#). See the instructions for [building the code](#). Latest release source code archives are available [here](#). The archives are PGP-signed so they can be verified using [this](#) gpg key.

#### DOWNLOAD OPTIONS

**Windows** Win 7 and newer

**Windows** ZIP file

**Windows app** Win 8.1 or 10 

**Linux** 32 bits

**Linux** 64 bits

**Linux** ARM 32 bits

**Linux** ARM 64 bits

**Mac OS X** 10.10 or newer

[Release Notes](#)

[Checksums \(sha512\)](#)

- <https://www.processing.org/>



The screenshot shows the Processing.org homepage. At the top is a navigation bar with links for Processing, p5.js, Processing.py, Processing for Android, Processing for Pi, and Processing Foundation. Below this is a large header with the word "Processing" and a search bar. The main content area is divided into three columns. The left column contains a sidebar with links for Cover, Download, Donate, Reference, Libraries, Tools, Environment, Tutorials, Examples, Books, Overview, and People. The middle column features a video player titled "Welcome to Processing 3" by the Processing Foundation, with a description: "Welcome to Processing 3! Dan explains the new features and changes; the links Dan mentions are on the Vimeo page." Below the video are links for "Download Processing", "Browse Tutorials", and "Visit the Reference". The right column contains a "Donate" section with a request for support, and a "PCD 2020" section describing the Processing Community Day initiative. At the bottom of the right column, there are links to "CreativeApplications.Net", "OpenProcessing", and "For Your Processing".

Processing p5.js Processing.py Processing for Android Processing for Pi Processing Foundation

# Processing

Cover

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## Welcome to Processing 3

or Processing Foundation

22:03

» [Download Processing](#)  
» [Browse Tutorials](#)  
» [Visit the Reference](#)

Processing is a flexible software sketchbook and a language for learning how to code within the context of the visual arts. Since 2001, Processing has promoted software literacy within the visual arts and visual literacy within technology. There are tens of thousands of students, artists, designers, researchers, and hobbyists who use Processing for learning and prototyping.

» Free to download and open source  
» Interactive programs with 2D, 3D, PDF, or SVG output

## » Donate

Please support the [Processing Foundation](#). We need your help!

## » PCD 2020

The Processing Community Day (PCD) initiative is evolving. For 2020, we will offer a mentorship program for PCD Worldwide Organizers who are interested in learning from past community organizers and mentors. The goal is to help a diverse group of organizers launch a PCD in their local communities. Check out the [PCD @ Worldwide](#) site to learn more about starting or attending an event in 2020!

To see more of what people are doing with Processing, check out these sites:

» [CreativeApplications.Net](#)  
» [OpenProcessing](#)  
» [For Your Processing](#)