

COMP3004

Final Project

Team Members - Team #35

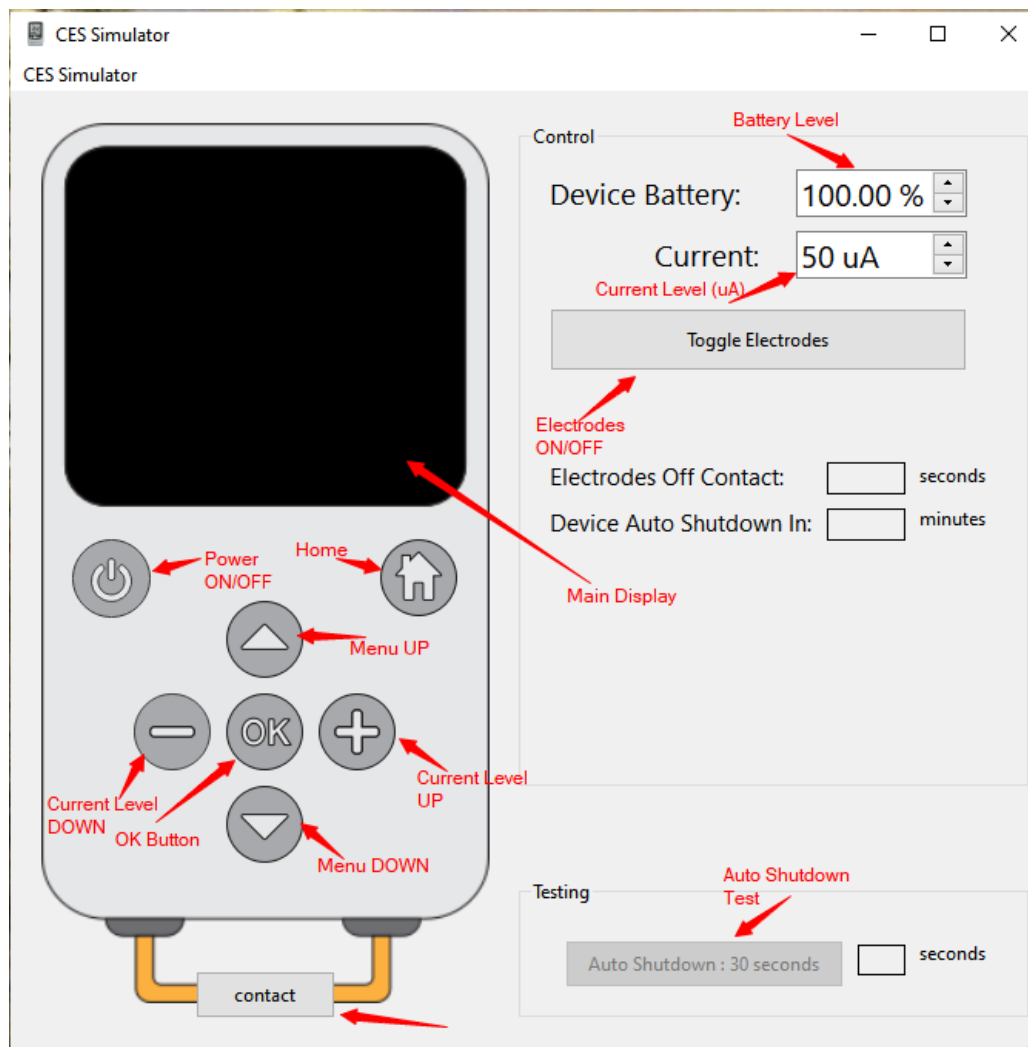
- Ade Banjo
- Owen Brouse
- Samarjit Bhullar
- Lasitha Amuwala

CES Simulator Test Cases

Selection Options

- Frequencies
 - o 0.5 Hz
 - o 77 Hz
 - o 100 Hz
- Wave Forms
 - o Alpha
 - o Beta
 - o Gamma
- Countdown Cycles
 - o 20 mins
 - o 40 mins
 - o 60 mins
- Start Therapy
 - o Stop Therapy
 - o Save Therapy
- History
 - o Go Back

Interactive Elements



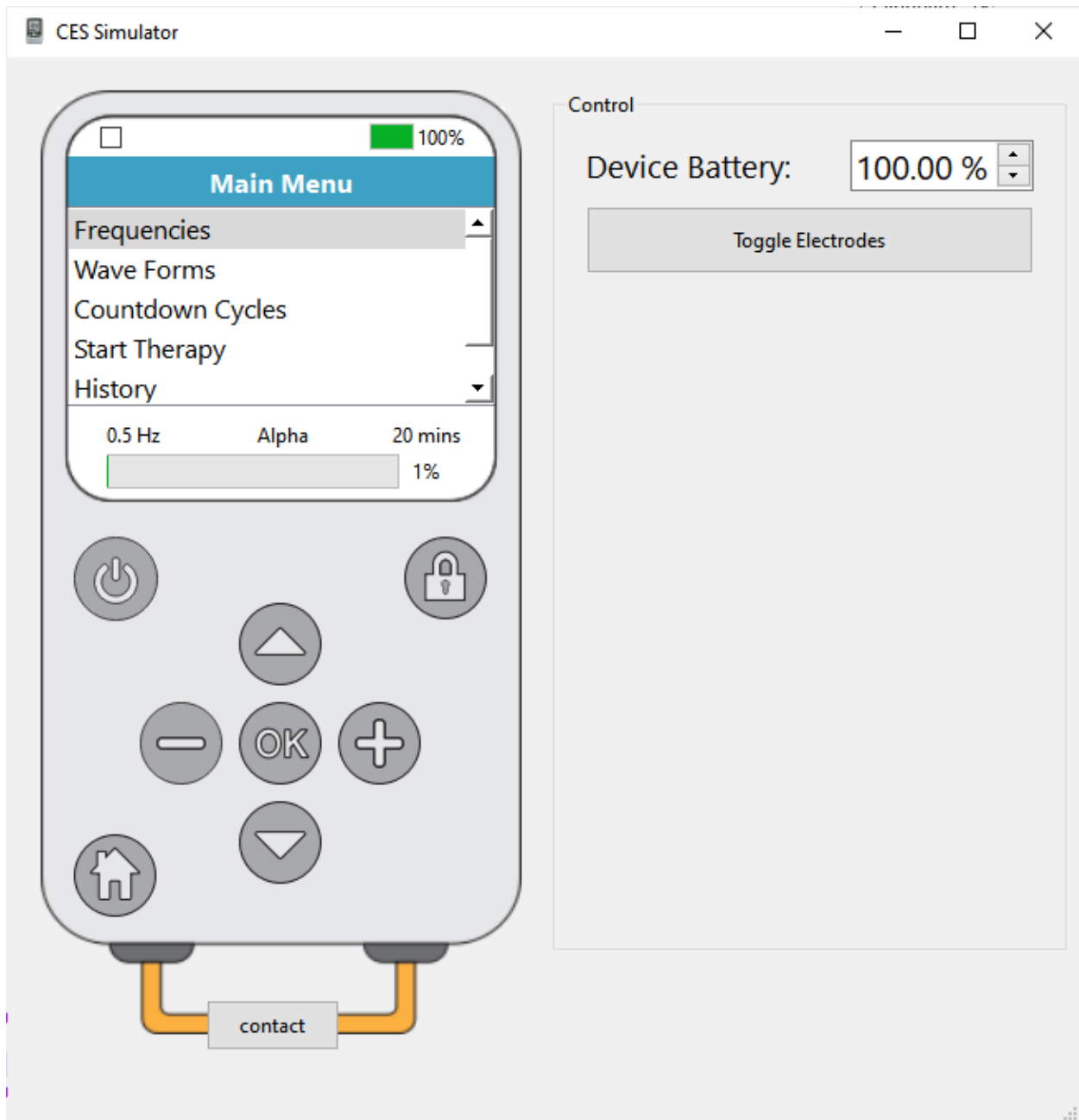
- Power ON Button
- Lock Button
- Menu Up Button
- Menu Down Button
- Frequency Up Button
- Frequency Down Button
- OK Button
- Home Button
- Contact Button
- Toggle Electrodes Button
- Auto Shutdown Test Button

Visual Representation

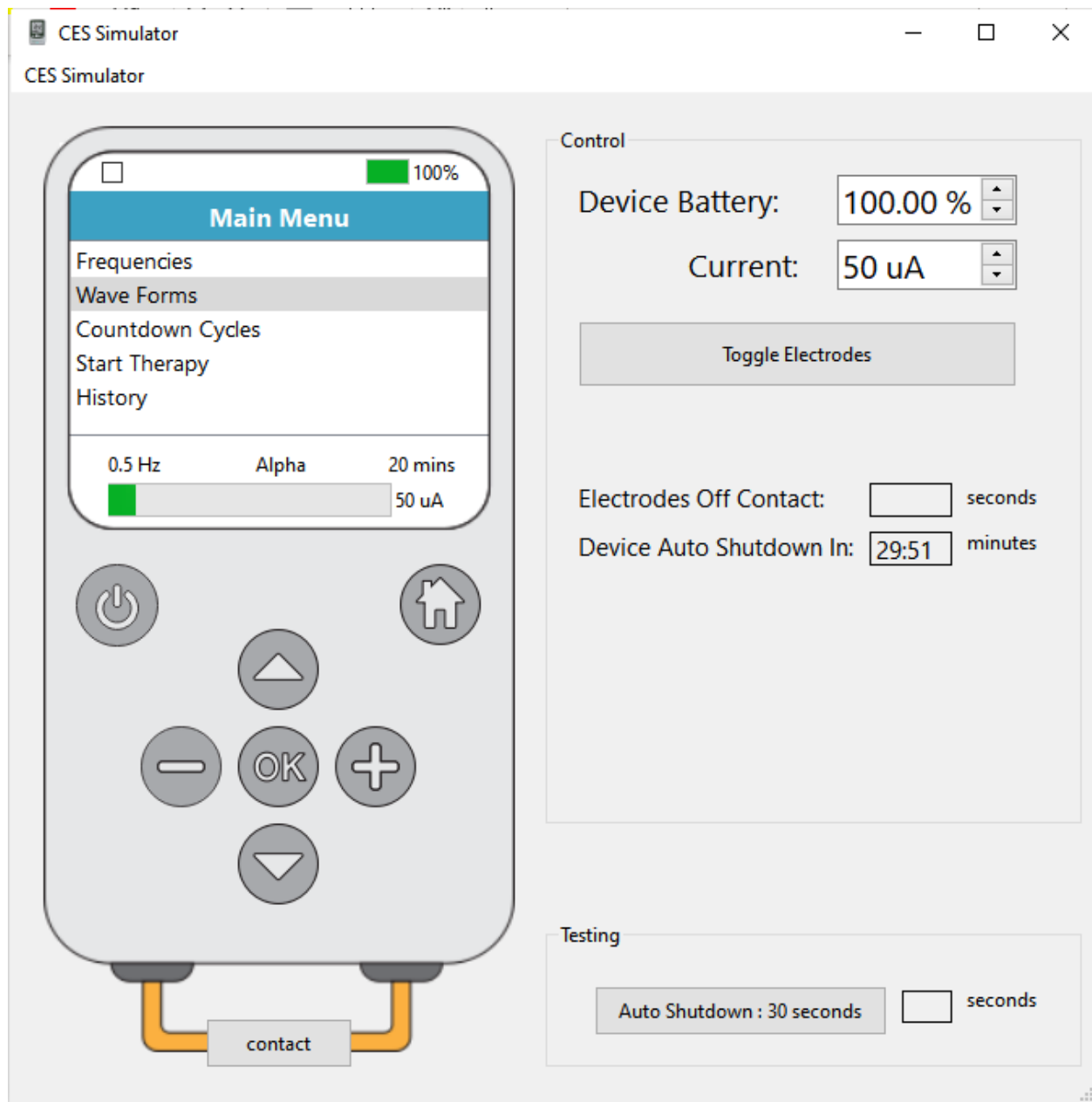
Starting the application



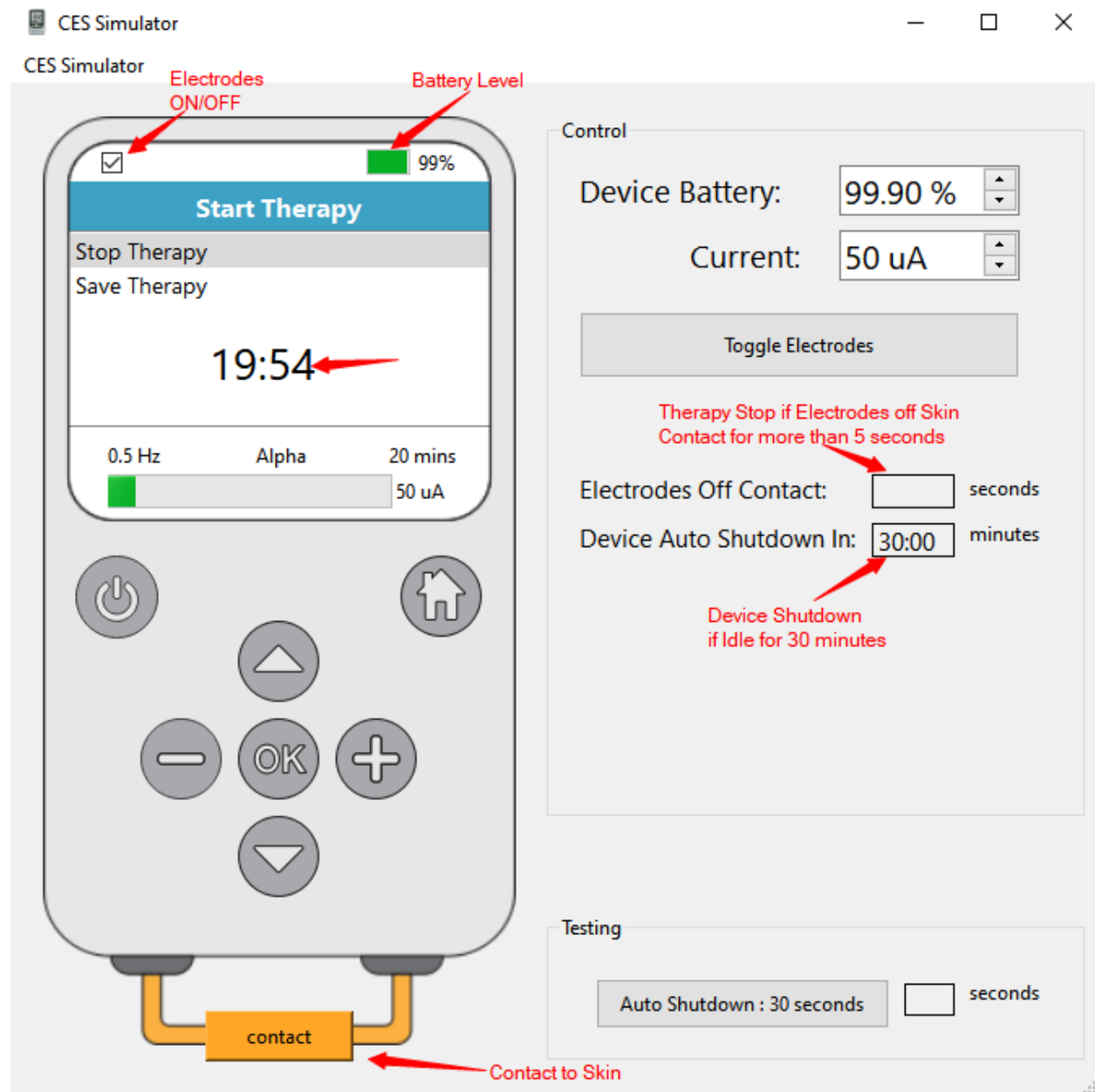
Powering on the device



Selecting Menu Options



Running a Therapy



Viewing History

CES Simulator

CES Simulator



The screenshot displays the CES Simulator interface. On the left, a device screen shows the 'History' page with a battery level of 97%. The history log includes the date 'Sun Dec 12 2021' and parameters: 'Waveform: Alpha', 'Countdown: 20 mins', 'Frequency: 0.5 Hz', and 'Current: 50 uA'. A red arrow points to 'Frequency: 0.5 Hz' with the label 'History'. Below the log, a progress bar shows '0.5 Hz', 'Alpha', '20 mins', and '50 uA'. The device has a power button, a home button, and a directional pad with an 'OK' button. At the bottom, two orange wires connect to a 'contact' block.

Control

Device Battery: 97.16 %

Current: 50 uA

Toggle Electrodes

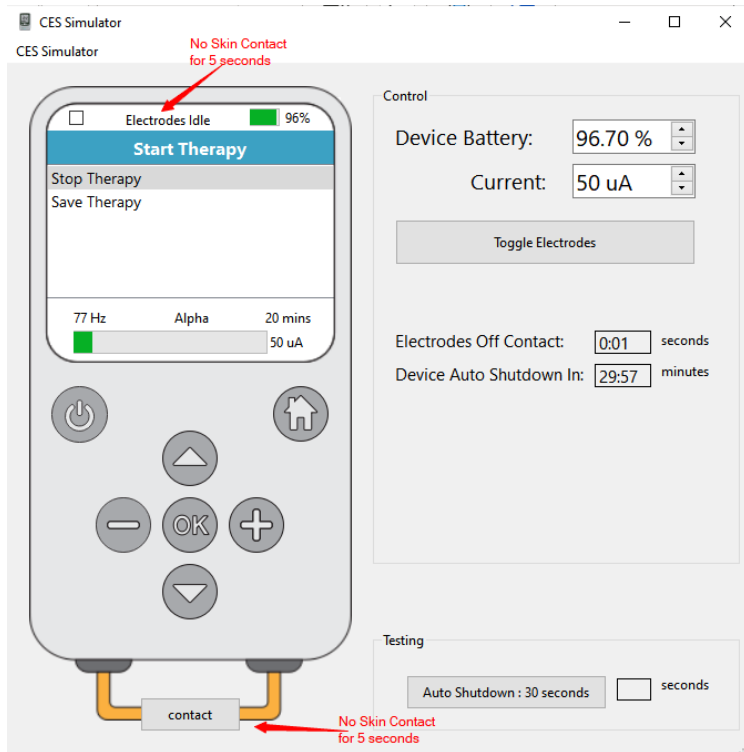
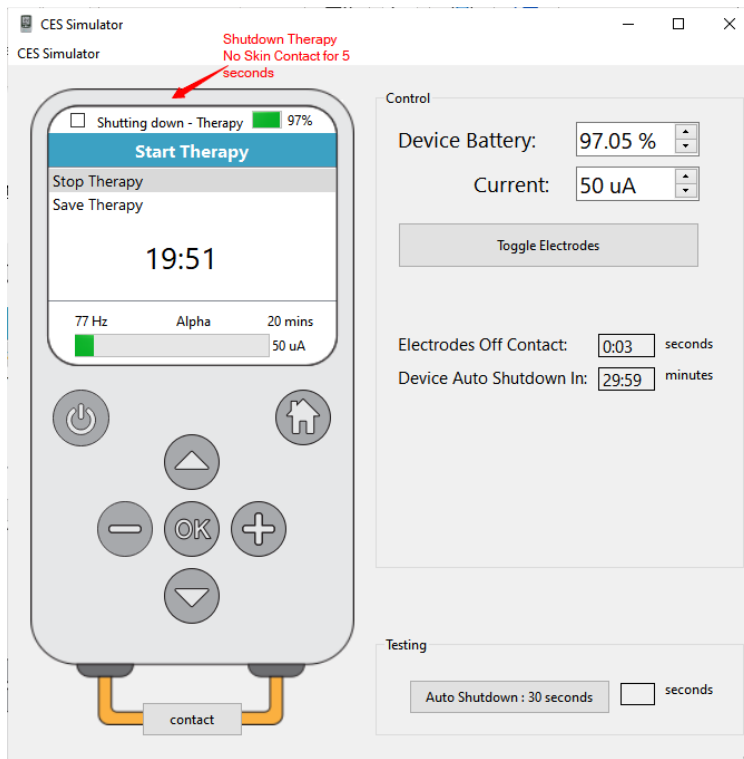
Electrodes Off Contact: seconds

Device Auto Shutdown In: 30:00 minutes

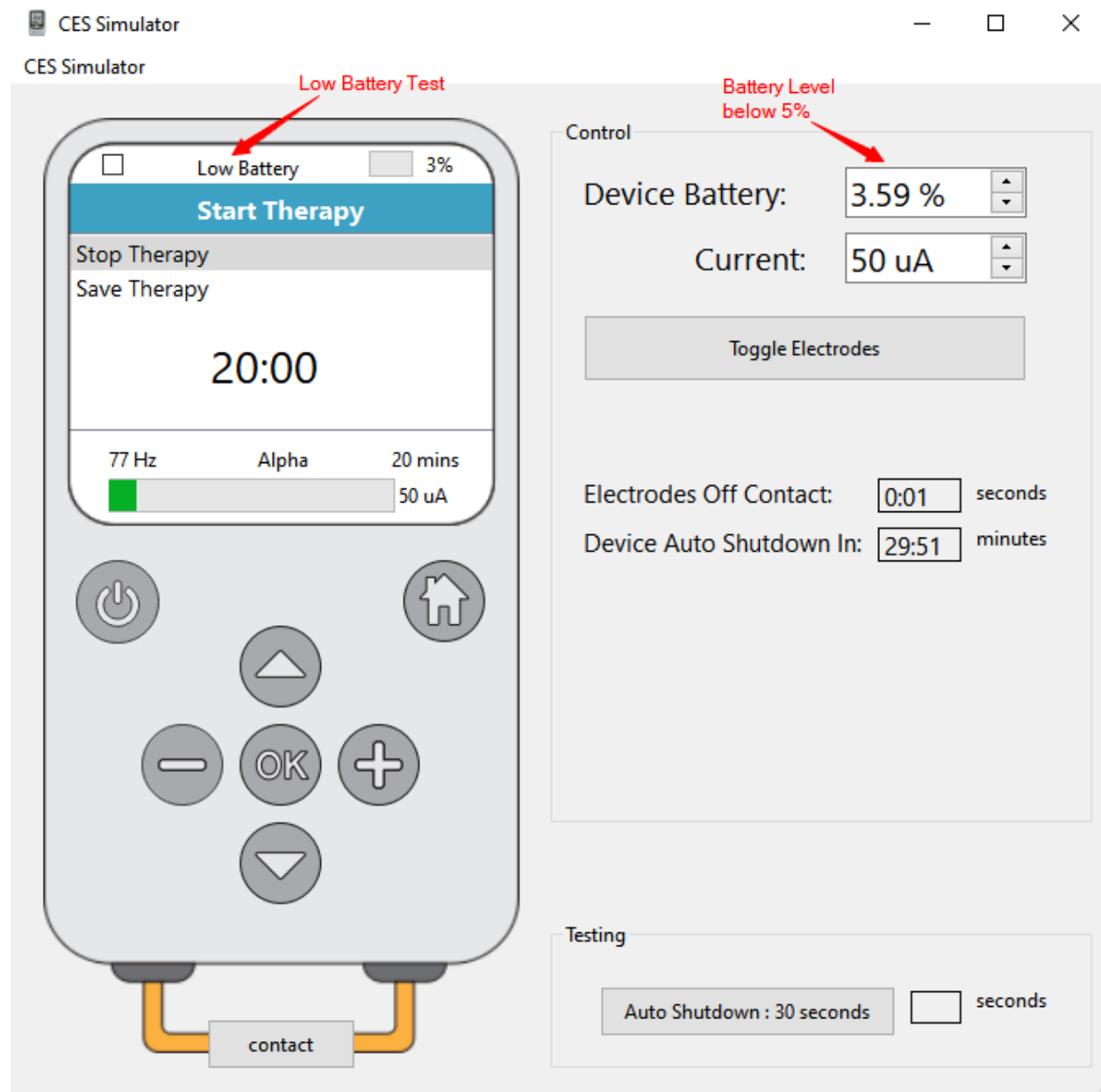
Testing

Auto Shutdown : 30 seconds seconds

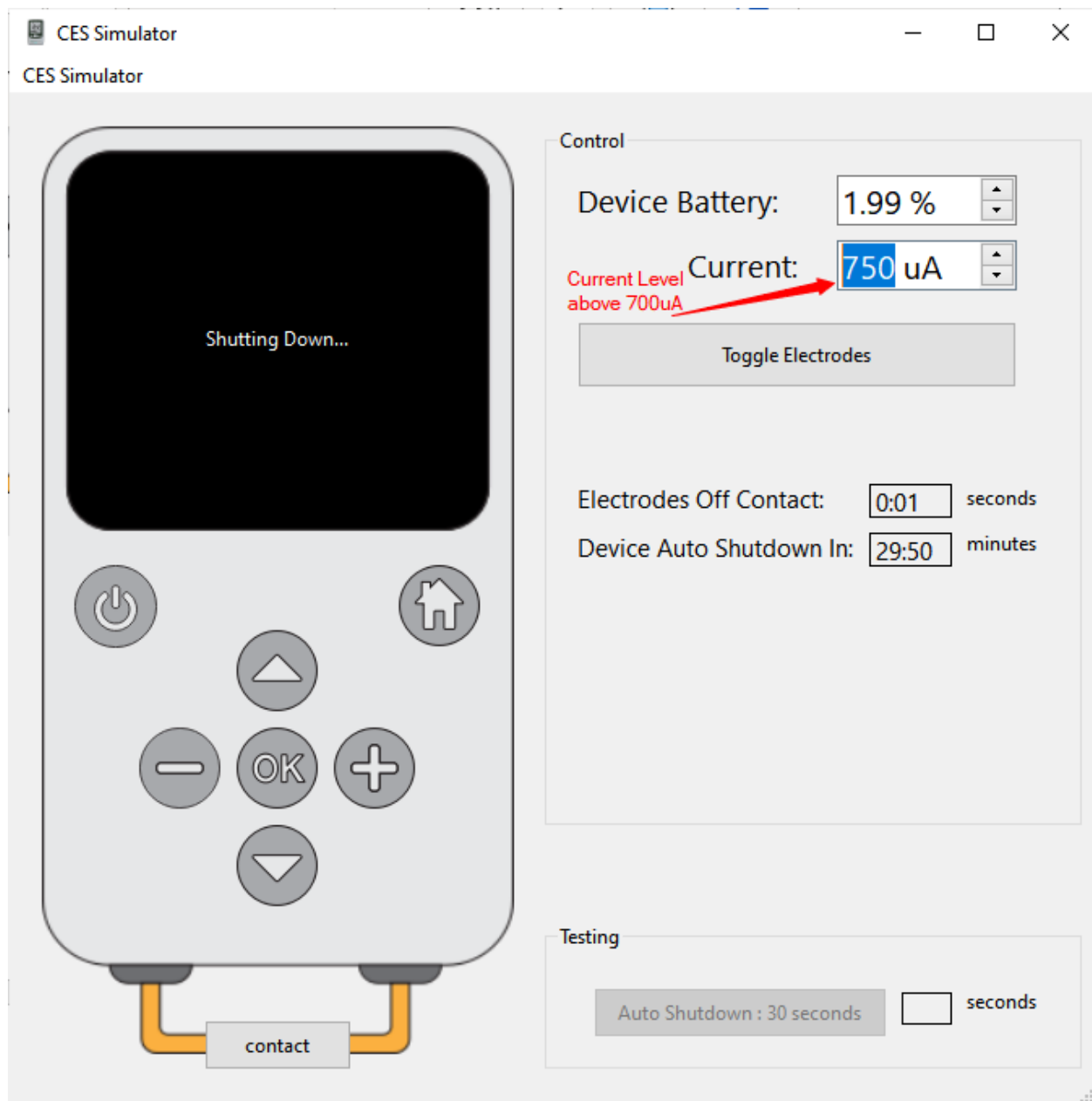
Electrodes Idle (No Skin contact for 5 secs)



Battery Low Test (Battery Level below 5 %)



High Current Test (Current Level above 700uA)



Auto Shutdown Test (Timer : 30 seconds)

