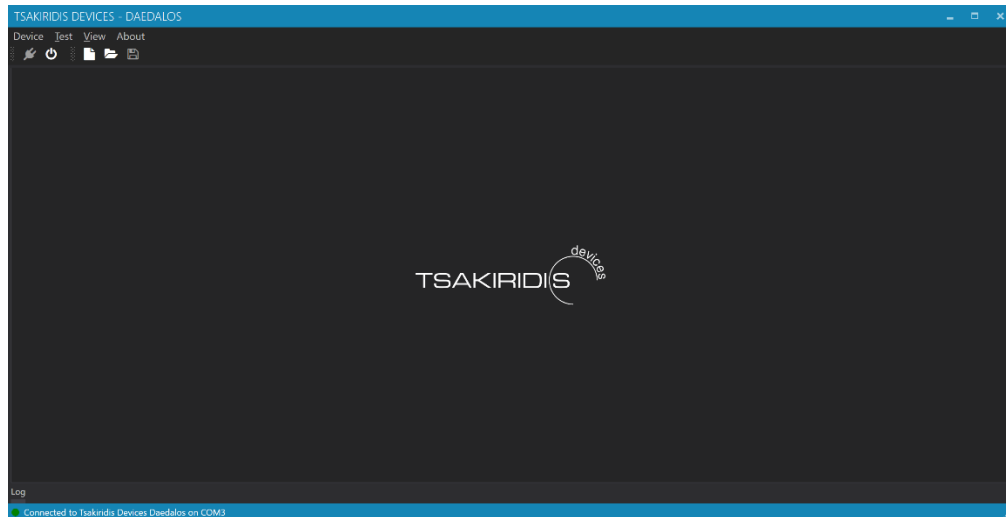


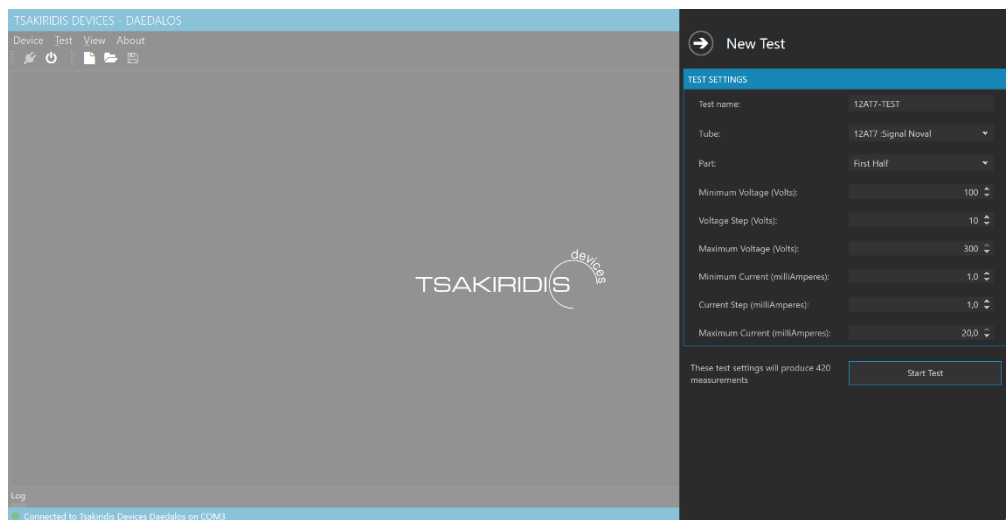
# TSAKIRIDIS DEVICES DAEDALOS APP SETUP AND USE GUIDE

1. Please make sure that your Tsakiridis Devices Daedalos has the latest firmware. You can find the latest firmware package on the Daedalos webpage ([http://www.tsakiridis-devices.com/test\\_evaluation\\_daedalos.html](http://www.tsakiridis-devices.com/test_evaluation_daedalos.html)). The package contains instructions on how to install the firmware on the device.
2. Put your Daedalos in online mode and launch the Daedalos application.



The application will scan the COM ports of your computer and will try to discover your Daedalos device. In case of a successful discovery and connection, the application will indicate that in its status bar.

3. Start a new test by selecting the respecting button from the application's toolbar or menu item.



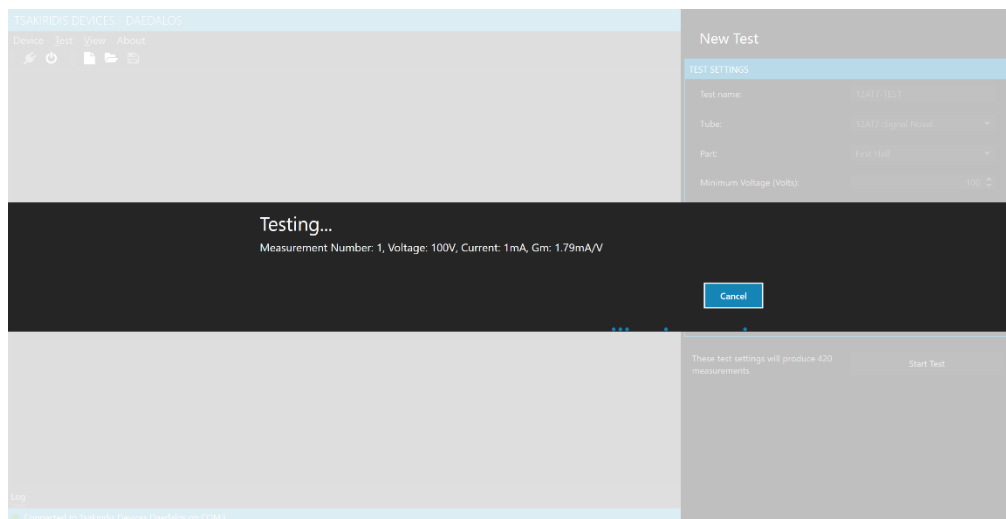
Enter a test name and select the tube type you wish to test. Select the tube's part to test and enter the desired min/step/max values for voltage and current. Start the test by hitting the "Start Test".

4. Your Daedalos device will prompt you to insert the tube to be tested in the proper socket by blinking the respecting socket light indication.



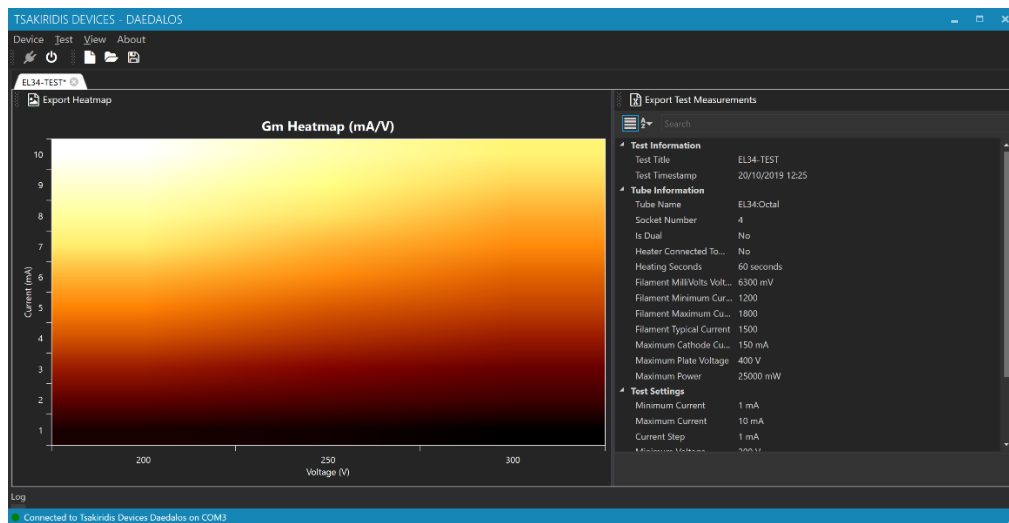
Insert the tube to the indicated socket and press the “Select” button on your Daedalos device.

5. The tube warm up process will begin and after that your Daedalos will start streaming the test results to the application.



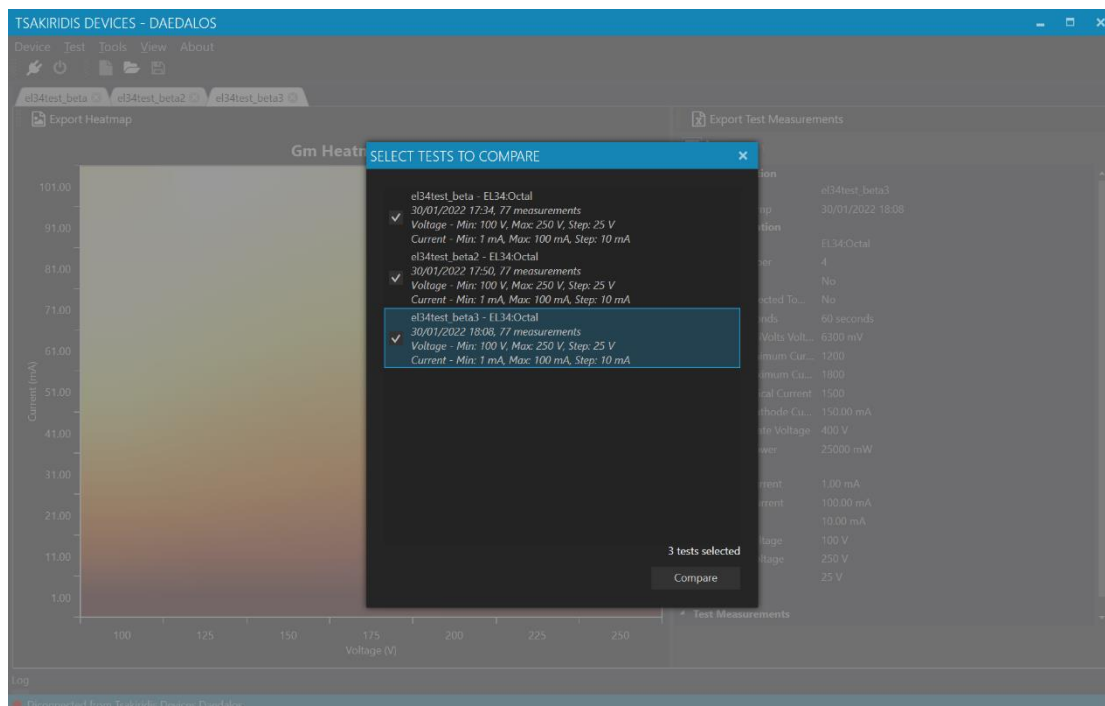
The process can be cancelled at any time.

- Once the test process is over, the app will calculate and present the “heatmap” of the measured values which is a graphic representation of the measured Gm values for specific voltage and current values.



The raw measurements can be exported in excel format and the heatmap can be exported in an image format. Furthermore, the whole measurement process (testing parameters and measured values) can be saved in “.daedalos” file which can be loaded from the application at a later time, even without having the device connected to it.

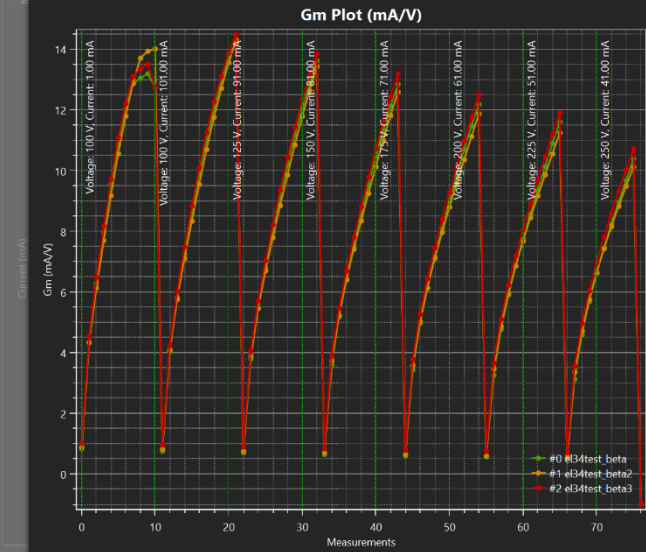
Starting from v1.2.0, the app could perform test comparisons! This is feasible by performing or loading tests (at least two are required), for the same tube types, with the same electrical characteristics. Once the tests are loaded/performed, the comparison can be initiated from the Tools menu.



Once the desired tests are selected, the app renders the measurements on a common graph and calculates the matching percent between the tests.

COMPARE TESTS

Export Plot



Export Test Measurements

Search

Tests

#0	e134test_beta
Test Timestamp	30/01/2022 17:34
Tube Name	EL34-Octal
Socket Number	4
Is Dual	No
Heater Connect...	No
Heating Seconds	60 seconds
Filament MilliVol...	6300 mV
Filament Minimu...	1200
Filament Typic...	1500
Filament Maximu...	1800
Maximum Catho...	150.00 mA
Maximum Plate...	400 V
Maximum Power	25000 mW
Minimum Current	1.00 mA
Maximum Current	100.00 mA
Current Stop	10.00 mA
Maximum Voltage	250 V
Minimum Voltage	100 V
Voltage Step	25 V
Tube Part	
Measurements	77 Items

#0

Matching: 99.71%