

Impedance Testing

The impedance widget is a valuable tool for evaluating electrode contact before data acquisition. Press `Test` to start impedance test on an individual channel.

The impedance value is in colored font as a visual guide to the pre-set thresholds. A red impedance value means you should adjust your electrodes, part your hair, add gel, use paste, or such measures as appropriate for the electrode you're using. Experienced users can also adjust these thresholds in the bracket-field beneath the table.

INFO

During the impedance test, the board sends a small current through the selected channel to obtain the impedance value. **For this reason, you won't be able to stream data on a channel and obtain the impedance value simultaneously from the channel.**

The screengrab below shows the GUI Impedance Widget for Cyton:

Cyton Signal

Interval5 sec

LabelsChannel

ModeImpedance

Reset Channels

Check All Channels

Channel	N Status	P Status
1	Test	
2	Test	
3	Test	
4	Test	
5	Test	
6	Test	
7	Test	
8	5,230 kΩ	

Thresholds750 k2500 k

User Left

User Right

Click a "Test" button in the table to start.

To test impedance for Ganglion, use the Ganglion Signal Widget.

Stop Impedance Check



- Reference Impedance $\approx 771.0 \text{ k}\Omega$
 - Channel[1] Impedance $\approx 771.0 \text{ k}\Omega$
 - Channel[2] Impedance $\approx 771.0 \text{ k}\Omega$
 - Channel[3] Impedance $\approx 603.5 \text{ k}\Omega$
 - Channel[4] Impedance $\approx 43.5 \text{ k}\Omega$
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