MEA-IT

Impedance Testing Device

For detailed information, please read also the MEA-IT manual!

Advantages

- Impedance testing device for microelectrode arrays to identify the quality of MEAs and monitor the development of the impedance of each electrode over the entire life span of the array.
- Compatible for MEAs with 60 channels -> MEA-IT60
  120 channels -> MEA-IT120
  256 channels -> MEA-IT256

MEA-IT Software

MEA-IT is a software to measure and visualize the impedance of each electrode. The respective impedance is displayed in table form and as numbers.

On the virtual MEA-layout, you can see the impedance of each electrode. Colors indicate the condition of the electrode and facilitate a quick overview.

The MEA-IT software includes save functions for each measurement and exporting features of the history of each MEA.

Technical Specifications

- Operating temperature: 10 °C to 50 °C
- Storage temperature: 0 °C to 50 °C
- Relative humidity: 10 % to 85 %, non-condensing
- Dimensions (W x D x H): 250 mm x 140 mm x 25 mm
- Weight: 1100 g
- Measurement range: 5 kΩ to 2 MΩ
- Test signal: 100 mV, 1 kHz Sinus
- Accuracy: 5 %
- Power supply: USB powered
- PC interface: USB 2.0
- Software operating system: Microsoft Windows ® 10, 8.1 or 7 (32 or 64 bit), XP or Vista, English and German version
- MEA-IT software: Version 1.4.18 and higher

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