

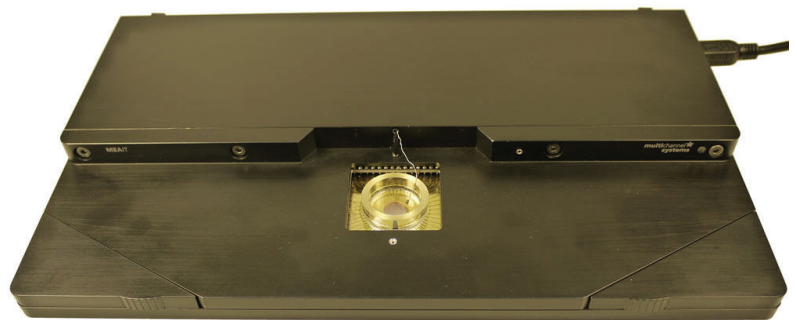
## MEA-IT

### Impedance Testing Device

#### Advantages

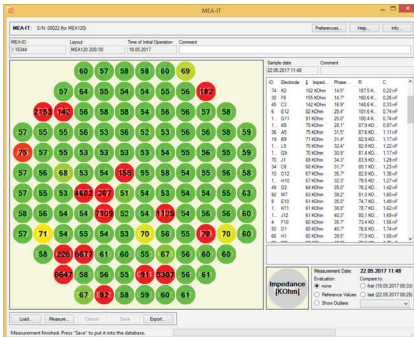
- Impedance testing device for microelectrode arrays to identify the quality of MEAs and monitor the development of the impedance of each electrode over the entire life span of the array.
- Compatible for MEAs with  
60 channels -> **MEA-IT60**  
120 channels -> **MEA-IT120**  
256 channels -> **MEA-IT256**

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



#### 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



#### 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.