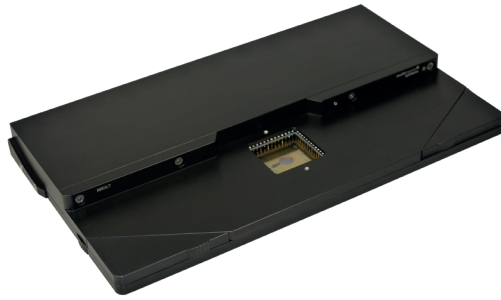




Impedance Testing Device for Microelectrode Arrays

- Quick and easy identification of electrode impedances
- User-friendly, intuitive software
- Monitor quality of MEAs over time
- Export data to any database



Impedance Testing Device

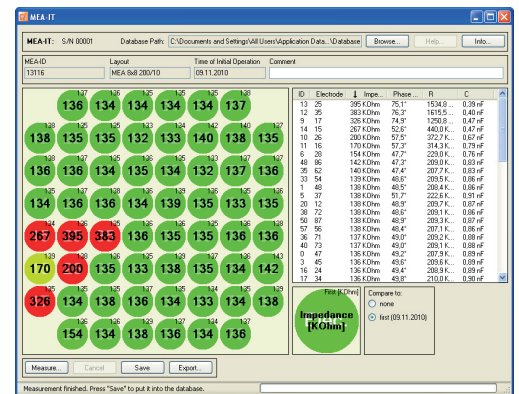
Do you need to know the impedance of your MEA electrodes? Do you want to identify faulty sides? Or would you like to monitor the impedance of your electrodes over time? Not a problem - with the MEA-IT, the impedance testing device from Multi Channel Systems.

The MEA-IT is the reliable, easy-to-use solution to test the quality of your microelectrode array. All you need to do is to connect the device via the included USB cable to any PC or laptop, insert the MEA, open the software, and start the measurement. Within less than a minute, you know the impedance of every single electrode.

Intuitive software

The complete measurement process is controlled via the included software. 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.

You can save the data after each measurement and export the history of one MEA. This way you can monitor the development of each electrode's impedance over the entire life span of the array.



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
1	ID																						
2	Electrode	47	48	46	45	38	37	28	36	27	17	26	16	35	25	15	14	24	34	19	23		
3	Date / Time	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	Impedance [KOhm]	
4	19.01.2009 08:48	362	505	515	472	557	542	525	495	517	442	489	477	420	443	1	448	432	447	476	439		
5	19.01.2009 10:37	349	324	402	378	430	414	409	333	343	293	335	332	274	310	1	324	305	313	342	314		
6	19.01.2009 10:56	382	441	427	412	434	434	411	423	427	416	409	369	380	1	380	381	386	410	383			
7	19.01.2009 12:32	257	202	197	193	259	202	199	265	266	223	258	257	211	219	0	214	211	213	231	209		

MEA-IT: Technical specifications

Number of channels	120
Dimensions (W x D x H)	250 mm x 140 mm x 25 mm
Measurement range	5 kOhm ... 2 MOhm
Test signal	100 mV; 1 kHz Sinus
Accuracy	5 %
Power supply	USB powered
PC interface	USB 2.0

Currently, the MEA-IT is available for MEAs with 60 or 120 electrodes. Please contact us for more detailed information.



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