







Inspectrum.Suite

All battery properties at a glance.

-  The most cost and energy efficient solution for battery characterization
-  Fast and reliable assessment of electrochemical and safety critical properties of batteries
-  Significant reduction of R&D cost and time to market
-  Seamless integration in existing cyclers and chamber infrastructure
-  User-friendly interface and intelligent data visualization
-  No-code analysis and control software with integrated file management

Expandable via plug-in and Python scripting interfaces

Easily integrable into existing testing infrastructure

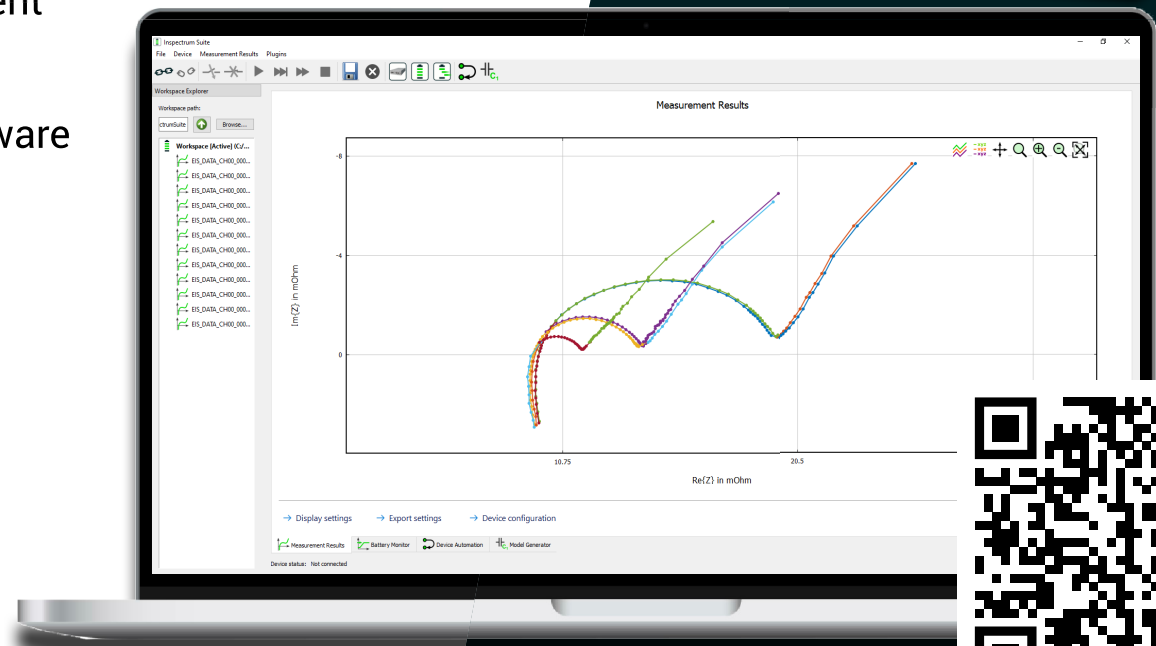
SAFION

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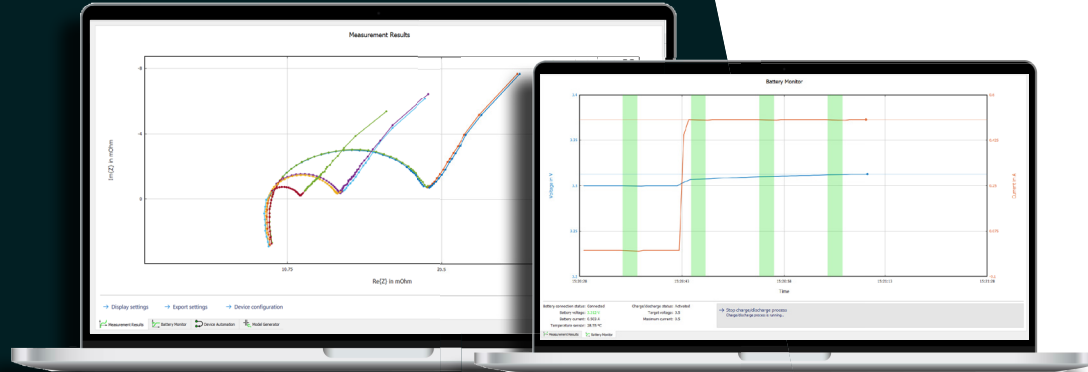
 www.safion.de

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Schedule a demo!



SOFTWARE VERSIONS



SOFTWARE FEATURE	LITE	PROFESSIONAL
Supports Multiplexer & CAN Interface	✓	✓
Single-sine/Multi-sine Measurement	✓	✓
Single-sine/Multi-sine Sweep Measurement	✗	✓
Burst Measurement	✗	✓
Excitation Signal Wizard	✗	✓
Expandable via Plug-Ins	✗	✓
Export Formats	native (xml), png	native (xml), png, html, csv

SPECIAL FEATURES



Charge/discharge function

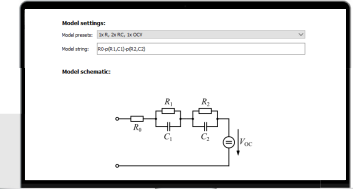


Customizable excitation signal



Complex testing setups

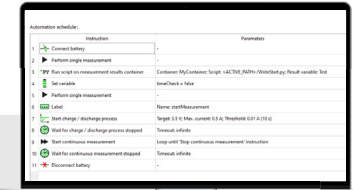
PLUG-INS



MODEL GENERATOR

Create electrical equivalent circuit models from impedance spectra in seconds and thus lay the foundation for a digital twin.

Generate simulations and predictions with predefined model structures or define your very own structures.



DEVICE AUTOMATION

Easily plan automated measurement sequences and control external devices (e.g. cyclers) to generate data for different battery states.

Utilize the data to generate equivalent circuit models and robust simulations.

...more plug-ins in development.

CONSULTING & SUPPORT

We are happy to support you in the planning of test sequences and integration into test benches.

