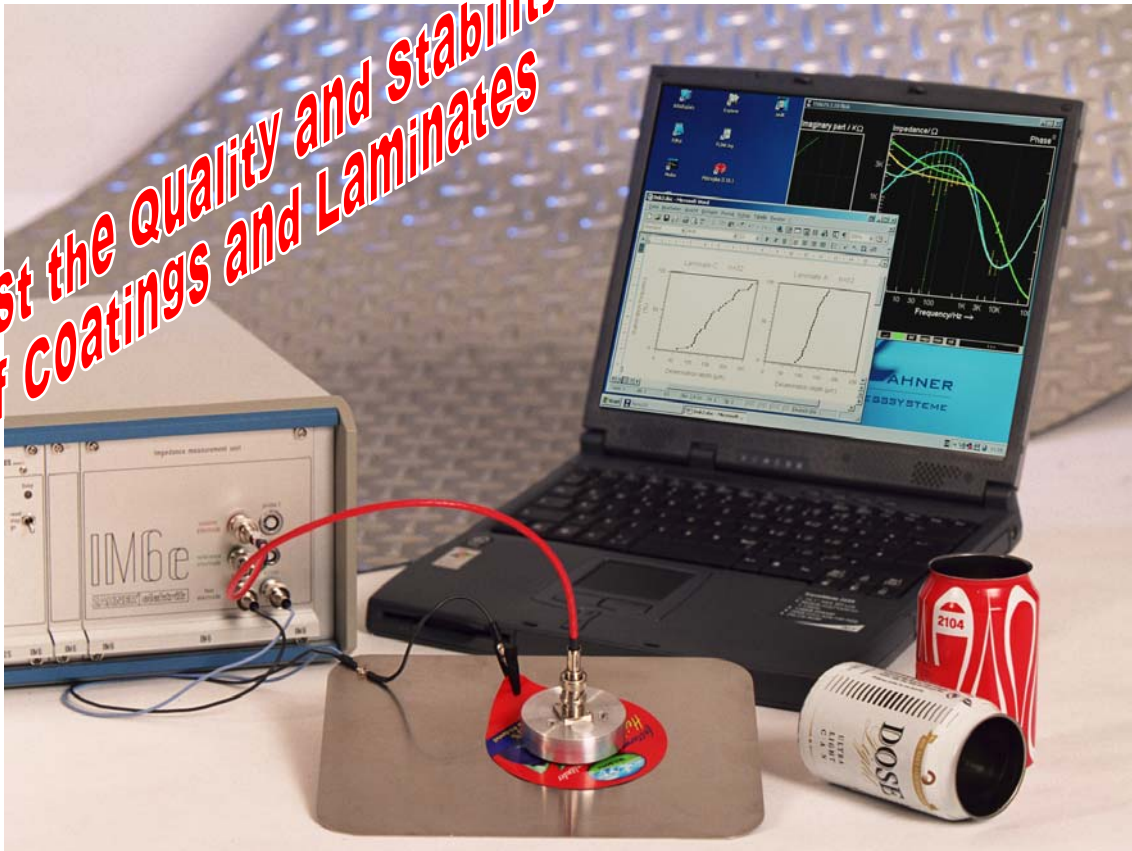


Modern Electrochemistry

**Test the Quality and Stability
of Coatings and Laminates**



All standard methods available

- EIS
- Linear Sweep & CV
- Polarisation & Stationary DC Methods
- Fast Pulse and Step Response Techniques
- Polarography

... and much more like

- Photo Electrochemical Impedance
- Electrochemical Noise
- Relaxation Voltammetry

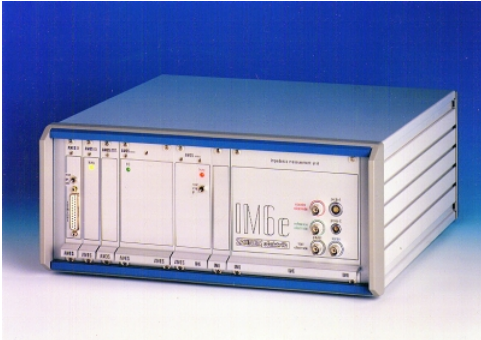
Integrated Multiple Control of External Instruments

- Remote Control of Temperature, RDE, EQCM
- Acquisition of Additional Measurement Channels

EIS Analysis, Model Simulation, Fitting

SCRIPT: Automate Measurement, Control, Analysis, Documentation ...

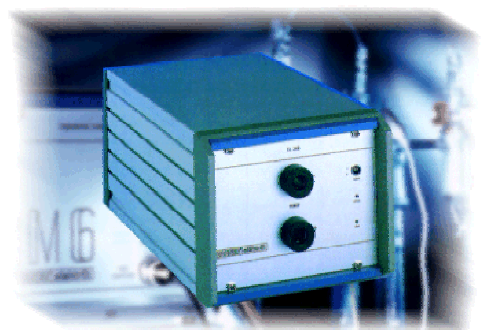
Get the most out of your experiment!



The Electrochemical Workstations *IM6* and *IM6e* have proven to be one of the most sophisticated, precise and versatile instruments in this field over many years. They are the basis equipment for a multitude of electrochemical investigation methods on batteries, accumulators and fuel cells as well as on high impedance objects. With its slots for hardware extensions the instruments can be extended to multi purpose data acquisition and control test stands.



The power potentiostats of the *PP*-series are specially designed for high-current measurements you need for example in investigations on batteries, accumulators, fuel-cells or electrolysis. They are able to provide current up to ± 40 A at a total power dissipation of up to 400 W and voltages up to ± 48 V. They can be controlled by the *IM6/6e* or directly from a PC by native ZAHNER software. Additionally the device is shipped with a *LabView Virtual Instrument* driver.



The *EL*-series electronic loads represent a very economical solution optimized for investigations on loading batteries and fuel cell stacks with high currents. The *EL300* e.g. is able to sink up to 100 A at a total power dissipation of 300 W. The electronic loads of the *EL*-series are restricted to sink current (*One-Quadrant-Potentiostats*). Using an additional external power supply you easily can extend the *ELs* to Two-Quadrant-Potentiostats.



The *Thales* software provides unique features for the acquisition and analysis. The most prominent examples are *SCRIPT* and *SIM*. *SCRIPT* offers you to combine all types of electrochemical measurements, mathematical analysis, algorithms, documentation and data export to a reproducible, fully automatic process. With the outstanding features of *SIM* you are able to create equivalent circuits and fit the measurement data to these models. The *ZFIT* feature of *SIM* helps you to validate your impedance spectra.

Come on, let's talk about **YOUR** application ...

ZAHNER-elektrik GmbH & Co. KG

P.O.Box 1846 - D-96308 Kronach - Germany

Tel.: +49-(0)9261-52004 - Fax: +49-(0)9261-51919 - e-mail: support@zahner.de - web: www.zahner.de