

ZAHNER

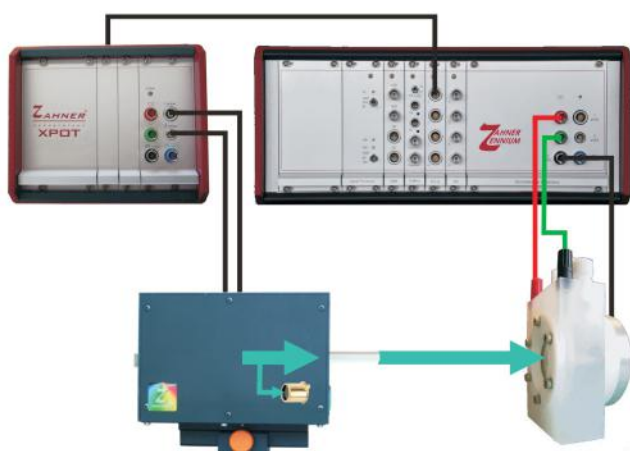
CIMPS-QE/IPCE

Workstation



ULTRACAPACITOR
3000 Farads | 2.7 VDC

Quantum Efficiency QE
Incident Photon Conversion Efficiency IPCE
Photo Current Spectroscopy PCS
at a new level of **accuracy and performance**



Zahner's CIMPS-QE/IPCE system is a fully integrated and compact workstation featuring high-accuracy QE/IPCE measurements at the push of a button. Set up and handling of the system is easy and does not require either special knowledge or additional tools.

- **Easy Mountable Optical Bench**
- **Unique Feedback Control of Light Intensity**
- **LED-based Tunable Light Source (Patented)**
- **PTB-Traceable Sensor Integrated**
- **Wide Wavelength Range**
- **No Warm up Time, High Thermal Stability**
- **Real Sine Wave Modulation**
- **Photo-EIChem Standard Methods Included**
- **EIS, CV, Polarization, etc. Included**
- **Expandable with More Methods**



More info about photoelectrochemistry at: cimps.zahner.de

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Benefits of TLS03 Compared to Xe-Lamp-Monochromator-Chopper Arrangements

- small, compact and fully factory-calibrated device
- easy installation and handling
- no warm up time, high thermal stability
- higher effective light intensity
- higher modulation frequency
- real sine-wave modulation without harmonic distortion
- switchable background illumination
- PTB traceable sensor integrated
- no reference cell required
- no sample repositioning

CIMPS-QE/IPCE System Components

- ZENNIUM electrochemical workstation with PP211 light source potentiostat
- All system components fully integrated and automatically software controlled
- Easy mountable optical bench
- Tuneable LED light source TLS03 (patented) 365 nm - 1020 nm with calibrated sensor
- Optional UV range extension for wave lengths down to 295 nm
- CIMPS & THALES software package
- QE/IPCE measurements at the push of a button

Representative in your country:

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