

TECHNICAL PRODUCT INFORMATION

Electrochemical instruments

- high - quality
- moderate prices
- excellent precision

Your contact:

Technical support, services, demo & rental equipment, price information & quotes, consulting:

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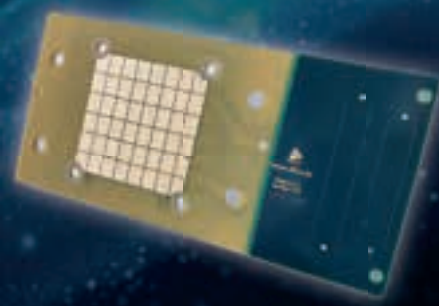
Web: www.ektechnologies.de

Shop: www.lxinstruments.com/shop/elektrochemie/

DILICO CURR TEMP scribner cell fixture

Current density and temperature distribution measurement

- Locally resolved measurement of current, temperature and impedance
- Aging analysis of membranes and components
- Optimization of operational strategies
- For fuel cells and electrolyzers
- Designed for scribner cell fixture



TECHNICAL FEATURES	CURR TEMP for scribner cell fixture
Range current density	Up to $\pm 4.1 \text{ A/cm}^2$
Range temperature	Up to $120 \text{ }^\circ\text{C}$
Locally resolved EIS measurement	Optional
Number of measurement segments	48 (8x6)
Cell voltage measurement	0 - 2.5 VDC
Communication	CAN, USB (via adapter)
Further connections	Up to 5 external temperature sensors

BENEFITS

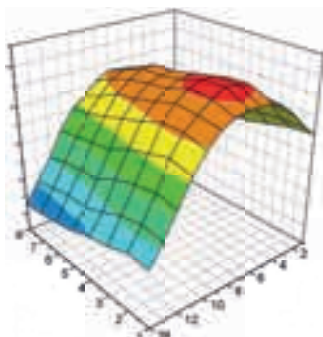
- In-situ current and temperature measurement across the active cell area
- EIS extension enables locally resolved electrochemical impedance spectroscopy
- Increase performance for bipolar plates, seals, flow fields and catalysts

APPLICATIONS

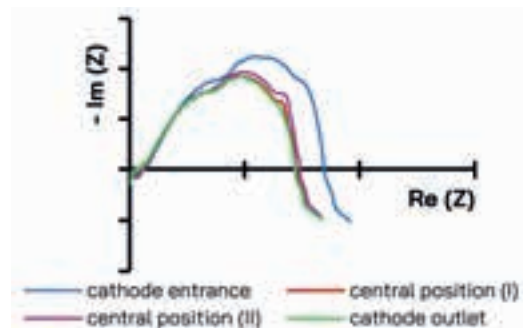
- Optimized for research, component testing and quality control
- Enhancing efficient design and operation strategies
- In-depth electrochemical analysis with EIS extention

SCOPE OF DELIVERY

- DILICO CURR TEMP sensor layer
- Evaluation electronics with software
- External power supply
- Operating instructions
- (Optional) EIS extention board



Local current analysis



Local EIS analysis

