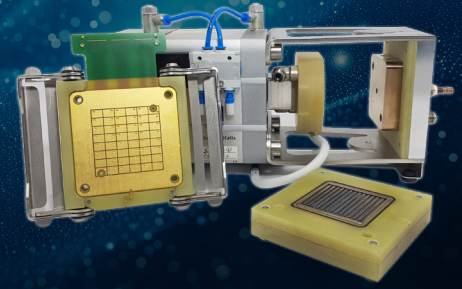


DILICO CURR TEMP baltic quickCONNECTfixture Current density and temperature distribution measurement

- Locally resolved measurement of current, temperature and impedance
- Aging analysis of membranes and components
- Optimization of operational strategies
- For fuel cells, electrolyzers and redox-flow batteries
- Designed for balticFuelCells qCf FC12/25/50



TECHNICAL FEATURES	CURR TEMP for baltic quickConnectfixture
Current density range	Up to $\pm 7.5 \text{ A/cm}^2$
Temperature range	-20 up to 120 °C (200 °C on request)
Locally resolved EIS measurement	Optional
Number of measurement segments	64 (8x8)
Cell voltage measurement	0 to 2.5 V_{DC}
Communication	CAN, USB (via adapter)
Further connections	Up to 5 external temperature sensors

BENEFITS

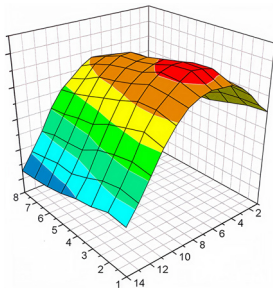
- In-situ current and temperature measurement across the active cell area
- EIS extension enables locally resolved electrochemical impedance spectroscopy
- Increase performance for bipolar plates, seals, flow fields and catalysts

APPLICATIONS

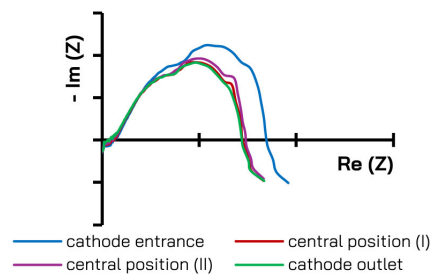
- Optimized for research, component testing and quality control
- Enhancing efficient design and operation strategies
- In-depth electrochemical analysis with EIS adapter

SCOPE OF DELIVERY

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



Local current analysis



Local EIS analysis

