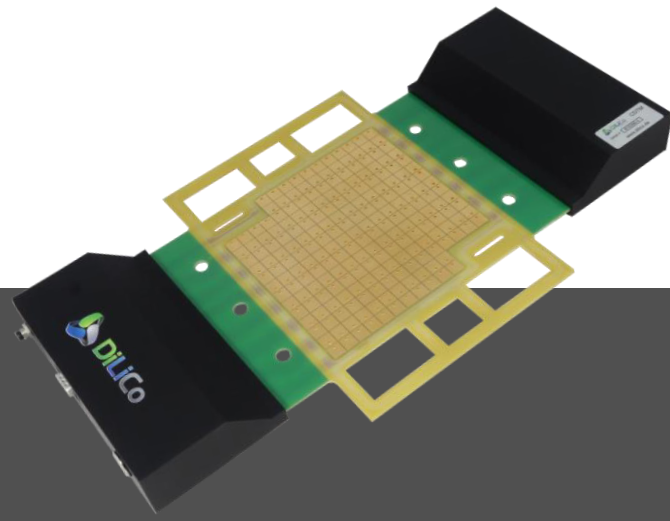


## DiLiCo CURR TEMP custom

### current density and temperature distribution measurement

- ✓ visualize aging effects in galvanic cells
- ✓ analysis of operational management and components
- ✓ connection for potentiostats for EIS measurement
- ✓ for lifetime tests in electrolyzers, redox flow batteries and fuel cells



	DiLiCo CURR TEMP custom
current density range	up to 10 A/cm <sup>2</sup>
temperature range	up to 150 °C
Impedance Spectroscopy connection	optional
segment size (l/w) in mm	down to 5 x 5
segment number	customer-specific
accuracy	1 % / ± 0.5 °C
communication	CAN

## PRODUCT DESCRIPTION

By measuring the current density and temperature distribution, the activity and ageing of the membrane becomes directly visible. The measurement results allow the optimal further development of bipolar plates, seals, membranes and operating strategies.

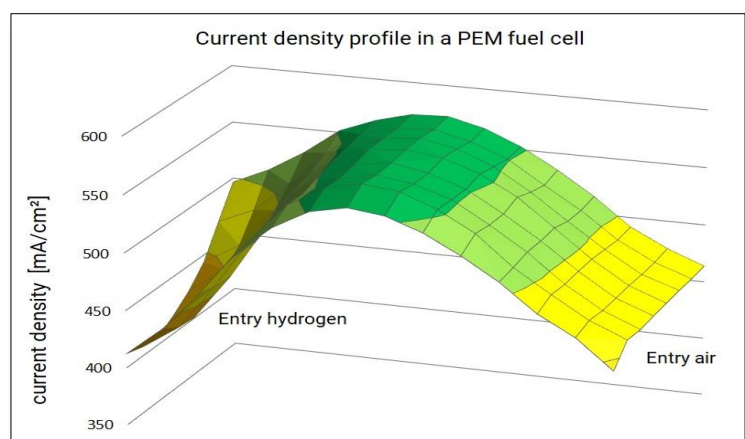
**DiLiCo CURR TEMP custom** provides a valuable insight into the interior of fuel cell, electrolyzer and redox flow battery and optionally offers connections for parallel electrochemical impedance measurements on the segments. Depending on the size and power density of the membrane area, the sensor layer, number of segments and distribution of the segments can be customized to your requirements to obtain an optimal observation of the current density and temperature distribution.

## INDIVIDUAL ADAPTION

**DiLiCo engineering** develops the sensor layer according to the conditions of your stack. We manage the sealing concept, the optimal positioning in the cell, the design of the segments depending on the bipolar plate and the software for evaluation.

## DELIVERY

- ✓ DiLiCo CURR TEMP sensor layer
- ✓ evaluation electronics with software
- ✓ external power supply
- ✓ instructions



current density profile during media starvation