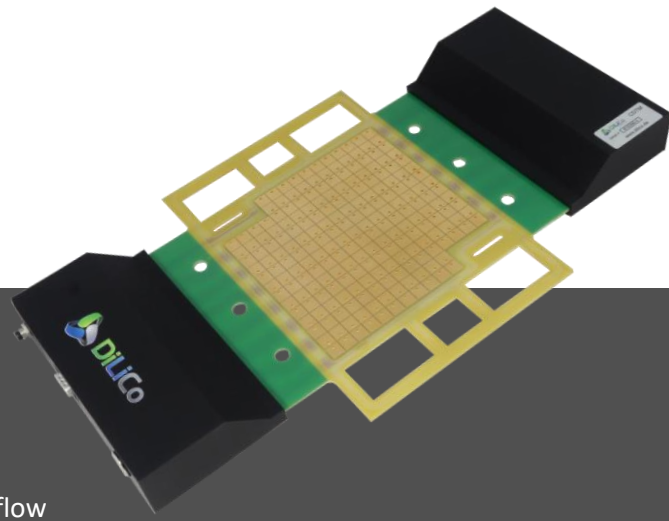


DiLiCo CURRENT DENSITY

Current density and temperature distribution measurement

- ✓ Visualize aging effects in galvanic cells
- ✓ Analysis of operational management and components
- ✓ Can be combined with EIS
- ✓ For lifetime tests in fuel cells, electrolyzers and redox flow batteries



	DILICO CURRENT DENSITY
current density range	up to 6 A/cm ²
temperature range	up to 175 °C
segment size (l/w) in mm	down to 7 x 7
segment number	customer-specific
accuracy	1 % / ± 0.5°C
communications	RS232 or CAN
data acquisition rate	customer-specific

PRODUCT DESCRIPTION

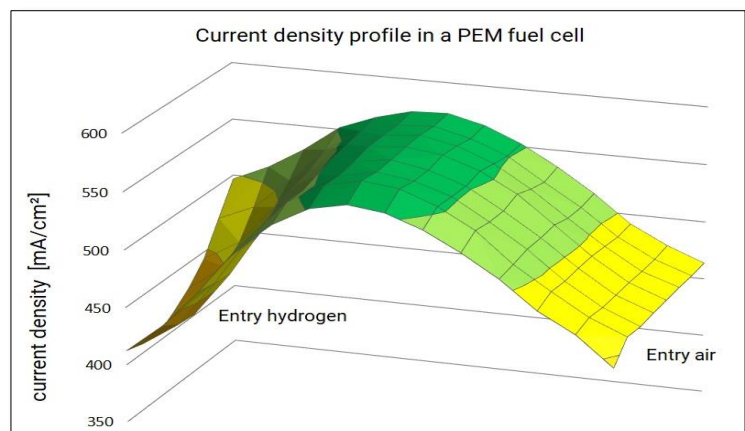
By measuring the current density and the temperature distribution, the activity and aging of the membrane are visualized, which allows analysis of the design of bipolar plates, seals and other components. **DiLiCo current density** offers a valuable insight into the interior of fuel cells, electrolyzers and redox flow batteries. **DiLiCo current density** is also suitable for battery pouch cells for temperature distribution measurement. Use the information to optimize the management and characterization of your system. Depending on the membrane area, the sensor layer, the number of segments and the distribution of the segments can be individually adapted to your requirements in order to obtain an optimal observation of the current density and temperature distribution.

INDIVIDUAL ADAPTION

DiLiCo current density adapts to the technical and geometric requirements of your system DiLiCo engineering offers various current density measuring devices that vary in functionality and price. Talk to us, we will advise you!

DELIVERY

- ✓ DiLiCo current density sensor layer
- ✓ evaluation electronics with software
- ✓ external power supply
- ✓ instructions



current density profile during media starvation