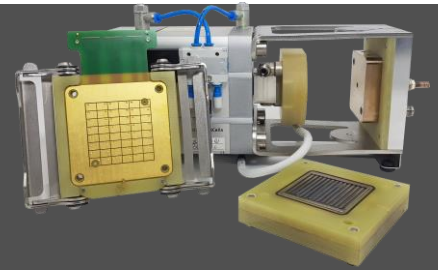


# DiLiCo CURRENT DENSITY FOR BALTIC qCF

## Current density and temperature distribution measurement

- ✓ measuring system at a new price level
- ✓ 5 connections for external temperature sensors
- ✓ integrated cell voltage measurement
- ✓ for fuel cells and electrolysers
- ✓ temperature measurement up to 175 °C



	DILICO CURR TEMP	DILICO CUSTOM	DILICO HIGH TEMP
measuring range current density	up to $\pm 3 \text{ A/cm}^2$	up to $\pm 6 \text{ A/cm}^2$	---
measuring range temperature	0 – 120 °C	0 – 120 °C	0 – 175 °C
number of segments (column x row)	48 (6 x 8)	up to 100 segments (customized)	up to 100 segments (customized)
operation temperature sensor layer	up to 120 °C		up to 175 °C
cell voltage measurement	0 up to 2,5 V		
communication	CAN, USB (via adapter)		
further connections	up to 5 temperature sensors (PT100, PT500 or PT1000)		

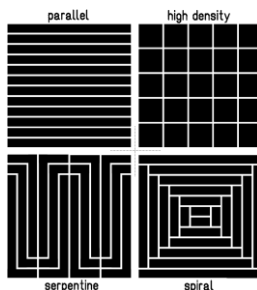
## PRODUCT DESCRIPTION

The **DiLiCo current density** product series offers a completely new price level for current density, temperature and cell voltage measurement for the **baltic quickCONNECT fixture FC25/100 and FC50/125** by using a new, special developed measuring process. The three variants of the measuring system provide optimal conditions for the use in various applications. Whether high current densities (**DiLiCo CUSTOM**) or high temperatures (**DiLiCo HIGH TEMP**), DiLiCo offers suitable measuring systems. The third variant (**DiLiCo CURR TEMP**) offers the possibility to determine both the current density and the temperature distributions inexpensively and precisely. All measuring instruments in this product series also have an integrated cell voltage measurement. Furthermore, each variant of the measuring system can connect up to five temperature sensors.

The current density and temperature distribution visualize the activity of the membrane and allow analysis of the design of bipolar plates, gaskets and other components. **DiLiCo current density** thus provides valuable insights in fuel cells and electrolysers.

## DELIVERY

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



customized sensor layer designs



installed sensor layer with data acquirer system