

## DiLiCo cell voltage 48/96

### Cell voltage monitoring for galvanic cells up to 4.5 V

- ✓ very high measurement accuracy up to  $\pm 0.1$  mV
- ✓ fast scanning with a large number of cells
- ✓ monitoring of overvoltage and undervoltage per cell
- ✓ relay output for switching off in the event of a fault
- ✓ cable-free contacting solutions on request
- ✓ ideal for series production and test stands



	DiLiCo cell voltage 48	DiLiCo cell voltage 96	
channels	up to 48 cells in series	up to 96 cells in series	
measurement range per channel	0 to 4.5 V		
resolution	16 bit		
communication	RS232, CAN or USB (via adapter)		
total measuring error (for T = 25 °C)	TYP $\pm 0.1$ mV $\pm 0.2$ mV $\pm 0.3$ mV	MAX $\pm 1.0$ mV $\pm 1.4$ mV $\pm 1.8$ mV	U(cell) < 2.0 V < 3.3 V < 4.5 V
measuring interval	24 ms@48 cells	37 ms@96 cells	
measurement interval with five devices	48 ms@240 cells	85 ms@480 cells	
leakage current on input	$\pm 250$ nA Idle mode $\pm 2$ $\mu$ A measuring mode		
insulation voltage between measurement and communication	1.5 kV		

## DESCRIPTION

**DiLiCo cell voltage 48/96** is the ideal component for monitoring and fault analysis of galvanic cells due to a fast and reliable measurement of cell voltages up to 4,5 V. In addition to the identification of overvoltages and undervoltages at each cell, the measurement system has a dry contact which opens immediately in the event of a voltage limit violation and can thus help to prevent damage to the cells and the system.

## CONTACTING SOLUTIONS

How is **DiLiCo cell voltage 48/96** connected to galvanic cells? DiLiCo offers both classical cable solutions and measurement technology with integrated contacting solution without cable for galvanic cells. Cost efficiency and functionality are our goals. Contact us!

## DELIVERY

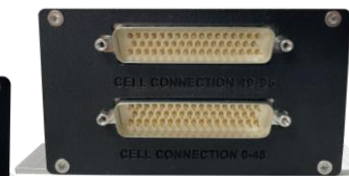
- ✓ DiLiCo cell voltage 48/96 in metal housing
- ✓ 24 VDC power adapter
- ✓ instructions
- ✓ (opt.) cable solution to contact the cells
- ✓ (opt.) software for visualization and data storage



communication



DiLiCo cell voltage 48



DiLiCo cell voltage 96