

DILICO cell voltage 48/96

Cell voltage monitoring for galvanic cells up to 4.5 V

- High measurement accuracy up to ± 0.1 mV
- Fast scanning and voltage monitoring per cell
- Enhanced safety through integrated relay output for fault shutdown
- Suitable for series production and test stands



TECHNICAL FEATURES	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 $+4.5 V_{DC}$		
Resolution	0.1 mV		
Communication	RS232, CAN or USB (via adapter)		
Total measuring error (T = 25 °C)	Typ ± 0.1 mV ± 0.2 mV ± 0.3 mV	Max ± 1.0 mV ± 1.4 mV ± 1.8 mV	Ucell < 2.0 V < 3.3 V < 4.5 V
Measuring interval	24 ms@48 cells		37 ms@96 cells
Measuring interval with 5 devices	48 ms@48 cells		85 ms@96 cells
Leakage current on input	± 250 nA idle mode ± 2 μ A measuring mode		
Internal insulation voltage	1.5 kV		

BENEFITS

- Fast and reliable measurement of cell voltages up to 4.5 V
- Over and undervoltage detection for fault analysis
- Immediate protection via dry contact to prevent damage

CONTACTING SOLUTIONS

- Classical cable solutions for reliable voltage monitoring
- Optimized for cost efficiency and functionality
- Custom cable-free contacting solutions available – get in touch for details!

SCOPE OF DELIVERY

- DILICO cell voltage 48/96 in metal housing
- 24 V_{DC} power adapter
- Operating instructions
- (Optional) cable solution for cell contacting
- (Optional) software for visualization and data storage

