

## DILICO cell voltage 36/72

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

- Wide measuring range from -4.5 to +4.5 V per cell
- Fast scanning and voltage monitoring per cell
- Relay output for over- and undervoltage protection
- Suitable for series production and test stands



TECHNICAL FEATURES	DILICO cell voltage 36	DILICO cell voltage 72
Channels	Up to 36 cells in series	Up to 72 cells in series
Measurement range per channel	-2.5 to +2.5 V -4.5 to +4.5 V	
Maximum voltage range	- 80 V ≤ U ≤ +150 V (between cell 0 and cell 36 resp. 37 and 72)	
Resolution	1.5 mV (low range mode) 3.0 mV (high range mode)	
Communication	CAN, USB (via adapter)	
Total measuring error (T = 25 °C)	± 15 mV (low range mode) ± 20 mV (high range mode)	
Measuring interval	24 ms@36 cells	37 ms@72 cells
Measurement interval with 5 devices	48 ms@36 cells	85 ms@72 cells
Leakage current on input	± 35 µA measuring mode U <sub>cell</sub> > 0 V ± 550 µA measuring mode U <sub>cell</sub> < 0 V ± 1.6 µA idle mode	
Internal insulation voltage	1.5 kV	

## BENEFITS

- Designed for high-volume galvanic cell production
- Overvoltage & 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 & functionality
- Custom cable free contacting solutions available - get in touch for details!

## SCOPE OF DELIVERY

- DILICO cell voltage 36/72 in metal housing
- 24 VDC power adapter
- Instructions
- (Optional) cable solution to contact the cells
- (Optional) software for visualization and data storage

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