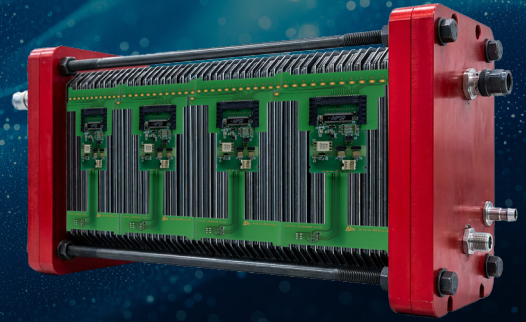


DILICO CELL VOLTAGE PICKUP

Fast, cable-free cell voltage measurement for galvanic cells

- Easy wireless installation - plug and measure
- Customized cell contacting solution
- Real-time data analysis
- Stack protection via optional bleed down functionality



TECHNICAL FEATURES	DILICO CVP 12	DILICO CVP 36
Channels per module	Up to 12 cells in series	Up to 36 cells in series
Measurement range per channel	0 to +4.5 V _{DC}	-2.5 to +2.5 V _{DC} (low range mode) -4.5 to +4.5 V _{DC} (high range mode)
Maximum voltage range	0 V _{DC} ≤ U ≤ +54 V _{DC}	-80 V _{DC} ≤ U ≤ +150 V _{DC}
Resolution	0.1 mV	1.5 mV (low range mode) 3.0 mV (high range mode)
Communication	CAN, RS232, PROFINET	
Total measuring error (T = 25 °C)	+0.1 mV (U _{cell} < 2.0 V) +0.2 mV (U _{cell} < 3.3 V) +0.3 mV (U _{cell} < 4.5 V)	±15 mV (low range mode) ±20 mV (high range mode)
Measuring interval (min. interval)	24 ms@12 cells	48 ms@36 cells

BENEFITS

- Designed for high-volume galvanic cell production
- Cost reduction through simplified installation and connection
- Modular system design for various stack sizes
- Advanced insulation concept for enhanced safety and reduced installation effort

CONTACTING SOLUTIONS

- Customized cable-free cell contacting
- Optimized for low-effort installation
- Extensive communication interface available

SCOPE OF DELIVERY

- DILICO cell voltage pickup module with SmartCard
- Communication interface module
- Module connection cables
- (Optional) Software for visualization and data storage
- (Optional) Bleed-down functionality
- (Optional) Real-time data analysis solution

