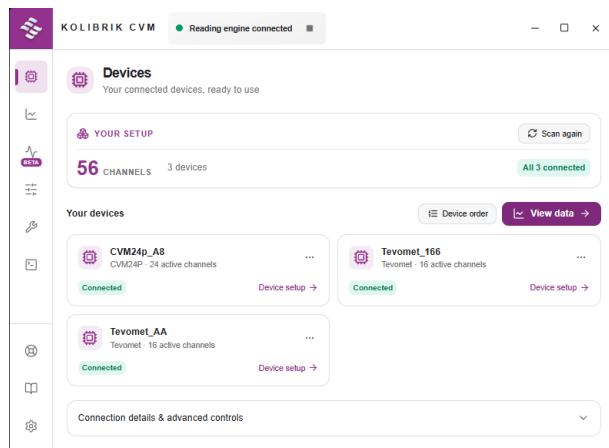


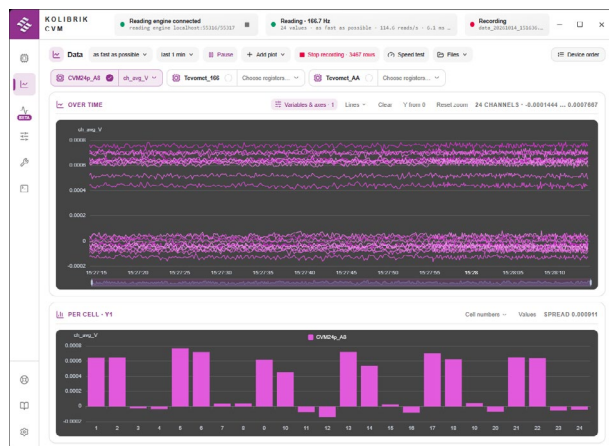
Kolibrik CVM Software

Measurement & Control App

Plug & Play Auto-Discovery. Skip manual configuration. The software instantly maps CAN and RS-485, autonomously detecting hardware and configuring channels so you can start measuring immediately.



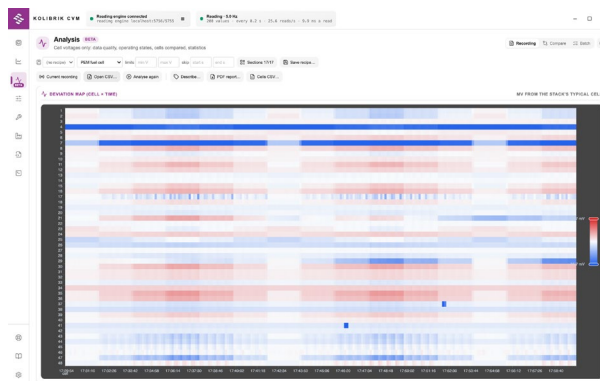
High-Speed Acquisition. Capture rapid dynamic transitions with 24-bit precision – internal sampling up to 500 sps (CVM-24P) / 250 sps (CVM-64H2), read across the whole system at the full speed of the bus.



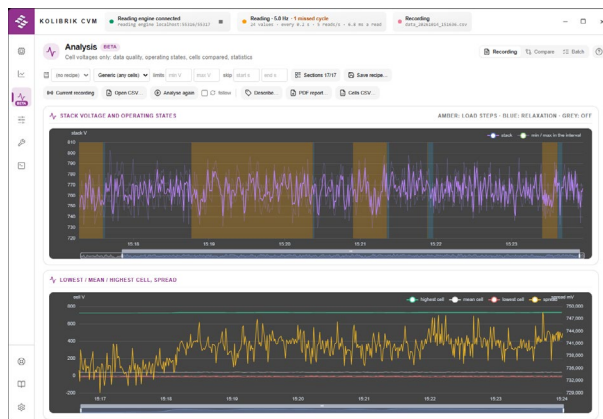
Complete Overview

Live Monitoring & In-Depth Analysis

The Kolibrik CVM Software shows every individual cell voltage live across the entire stack and fully records each test. Its built-in analysis follows each test and pinpoints weak cells, uneven loads, and failure patterns like reactant starvation, flooding or membrane dry-out, helping prevent costly stack damage.



Advanced Analytics & Reporting. Translate raw voltages into exact engineering insights. Apply technology-specific physical models to evaluate cell uniformity, and generate complete PDF test reports – including data heatmaps and error logs – with a single click.



sales@kolibrik.net



Cell Voltage Monitoring



Designed for Hydrogen & Batteries

- Up to 1280 Channels
- Voltage up to ± 5 V
- Up to 24-bit / 500 sps



www.kolibrik.net
© 2026-X Kolibrik.net, a.s. Czech Republic

CVM-24P



**High-Speed & Accuracy.
Purpose-Built for
Advanced Diagnostics.**

Channels 24 / module
Voltage ± 5 V / module
Sampling 24-bit / 500 sps
Up to 480 channels

A cell voltage monitoring system fit for advanced diagnostics and research of **H₂ fuel cells, electrolyzers and batteries including redox-flow**. With 24-bit A/D converters, it provides precise results and speed to capture rapid electrochemical changes.

CVM-32A



**Essential performance
for budget-sensitive
applications.**

Channels 32 / module
Voltage ± 1.5 V / module
Sampling 12-bit / 100 sps
Up to 320 channels

A compact and cost-effective **fuel cell stack** monitoring solution designed for standard testing and budget-sensitive applications.



CVM-64H2



**Balanced Performance.
High Channel Density.
Industrial Reliability.**

Channels 64 / module
Voltage ± 3 V / module
Sampling 24-bit / 250 sps
Up to 1280 channels

A new-generation CVM module delivering high channel density and industrial-grade reliability. Ideal for **large-scale electrolyzer or fuel cell stack** monitoring with a balanced performance-to-cost ratio.

TEVOMET TV-16



**Multi-channel
temperature and voltage
monitor/meter**

Channels 16 / unit
Voltage ± 1.5 V / ± 150 V
Sampling 16-bit / 5 sps
Up to 160 channels

A 16-channel temperature and voltage meter featuring **independent, galvanically isolated channels**, designed to synchronize thermal tracking with your electrochemical measurements.

It delivers reliable data acquisition for demanding applications such as **H₂ fuel cells, electrolyzers and batteries including redox-flow**.

sales@kolibrík.net

From Lab to Industrial Scale



**Massive
Scalability**

Scale from a single cell to a 1,280-channel stack without changing measurement ecosystem. Drive the entire Kolibrík CVM portfolio through one unified platform.



**Hardware-Level
Reliability**

Stop false alarms caused by loose pins in testing harnesses. The system features immediate Open Sense Wire diagnostics to guarantee connection integrity.



**Seamless
Integration**

Connect to your test bench your way: CVMs stream data over CAN with a ready-to-use DBC file, or serve a PLC via Modbus RTU – while the software keeps running.



**Native Python
Automation**

Execute custom automation and advanced data processing. Utilize dedicated Python library to build scripts for your specific R&D requirements.



**Instant Test
Reports**

Transform measured raw data into a polished PDF report in a second. Eliminate hours spent on manual formatting and accelerate your testing center's throughput.



**Bottleneck
Elimination**

Eliminate bottlenecks in battery storage systems and high-power packs. The platform automatically identifies limiting cells and hidden self-discharge mechanisms.