

DC VOLTAGE MONITORING

Battery and Fuel Cell Testing



- » Each module contains 32 channels: 8 modules per 4U rack (as shown)
- » Each slot supports input types: $\pm 100\text{mV}$, $\pm 5\text{V}$, $\pm 10\text{V}$, $\pm 75\text{V}$, $\pm 150\text{V}$, $\pm 300\text{V}$
- » 16-bit A/D converter on each channel
- » Modules can be configured in daisy-chained mode (up to 32 channels), differential mode (up to 16 channels), or mixed configurations
- » Maximum channel-to-channel common mode voltage isolation: 1,000 VDC
- » Channel input impedance (voltage channel): $\geq 1\text{M}\Omega$
- » Channel accuracy: $\leq 0.05\%$ full scale
- » Custom form factors available: 4U 19" box is shown
- » Standard and Pro software packages available



CVM Additional Features



- » Each module can be connected in a star Ethernet network configuration for 1,000+ channels
- » Simultaneous data sampling on each board; not multiplexed
- » 1kHz burst sampling mode possible via external trigger input
- » Up to 100Hz continuous data sampling
- » Communication interface: 10/100 Mbps Ethernet (optional CAN Bus)
- » Thermal drift compensation on each channel maintains accuracy over a wide temperature range

Software Specifications

SOFTWARE FEATURE	CVM (Standard)	CVM (Pro)
Configurable data logging/real-time charting	5 Hz	1kHz
Configurable on-screen alarm notification	✓	✓
Configurable signal scaling	✓	✓
Historical graph/xy graph/trigger-based chart	-	✓
Programming interface support (C# / C++ / labview)	✓	✓
Support for custom-built labview plug-ins	-	✓
Integrated software filters (moving average, low-pass, high-pass filters)	-	✓
Support for custom signal manipulation (user defined algorithm)	-	✓
Display generated data files(s)	✓	✓
Included with DAQ hardware	✓	-

Performance Commitment:

At Greenlight, we pride ourselves on making world-leading test equipment. We are committed to your satisfaction and we will do whatever it takes to meet or exceed your expectations.

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