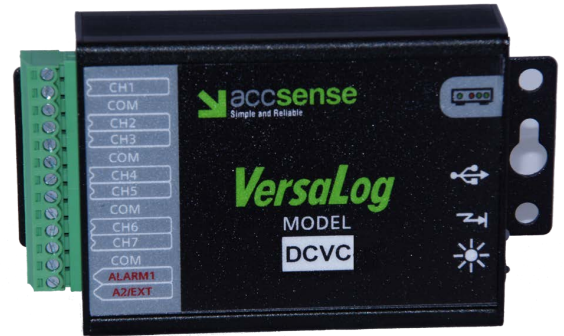


VersaLog DCVC is an 8-channel, battery powered, stand - alone voltage/current DC data logger. It records up to 4 megabytes of data and stores it in non- volatile flash memory for later retrieval. Input voltage/current signals can be from sensors, transducers, transmitters or any other common voltage/current sources.

Featuring an aluminum enclosure and conformal coating PCB, the VersaLog logger has excellent performance in the harshest industrial environment.

Powered by a 16-bit ADC and programmable input range, the VersaLog logger is well suited to science and laboratory applications where precise and accurate measurement is critical.



DCVC

## Features

- The 16-bit analog-to-digital converter meets most high-resolution requirements.
- The 4-Megabyte Memory stores up to 2 million measurements.
- Seven range programmable voltage and current external input channels cover wide measurement requirements.
- The VersaLog data loggers can be accessed via USB, MODEM, or Ethernet connections with auto baud rate of up to 115 kbps.
- 10-year battery life
- Fast sampling mode
- Alarm and excitation output

## SiteView Software

SiteView is a Windows-based application which works with the VersaLog Series data loggers for downloading, configuration, data analyzing and plotting. Its user-friendly graphic interface plus powerful functionalities fit both novice and advanced users.

The versatility of custom equation and custom-line equation handle complicated measurement requirements.

- Supports USB, Serial port and Ethernet connections for easy local and remote access
- Fast communication speed up to 115200 bps makes downloading fast
- Real-time view and chart recording replaces chart recording device
- Custom equation and custom-line equation solves scientific and laboratory algorithm difficulties
- Zoom in/zoom out, annotation/label of graph functions provide detailed view of data
- Multiple file loading allows easy data comparison.
- Dynamic statistics provides detailed information of current zoomed view

## Specifications

### Product Identification

<b>Product Name</b>	VersaLog
<b>Model</b>	DCVC Voltage Current Data Logger

### Inputs

<b>Channels</b>	CH1 ~ CH4(voltage): programmable range for each channel: For DCVC: 0 ~ 20 V, 0 ~ 10 V, 0 ~ 5 V, 0 ~ 2 V. CH5 ~ CH7 (current) programmable range for each channel: 4 ~ 20 mA, 0 ~ 50 mA.
-----------------	--

<b>Accuracy</b>	Reference Temperature : 0.36°F DCVC voltage channels: +/- 0.15% @ 25°C from 0.1V and up, +/- 0.5% 0 – 0.1V @ 25°C. DCVC 4 – 20mA current channels: +/- 0.15% FSR @ 25°C DCVC current channels: +/- 0.1% FSR @ 25°C
-----------------	--

<b>Load Resistor</b>	For current channel: 12 Ohms
<b>Protection</b>	Voltage channel: For DCVC: up to -3 VDC and +40 VDC Current channel: +/-100 mA

### Alarms

<b>Channel Alarms</b>	Two editable alarm thresholds per channel.
<b>Alarm Outputs</b>	ALARM1 & A2/EXT terminal strips can be configured as alarm outputs. Alarm-On: MOSFET(N-Channel) switch on. Alarm-Off: MOSFET(N-Channel) switch off. Max Power: 200mA @ 24VDC. With purchase of SiteView software, the VersaLog can report alarm status to host PC via USB, Modem or Ethernet Device Server.
<b>Alarm-On Delay</b>	Programmable 0 – 10 minutes delay with 1-minute increments.
<b>Alarm Indicator</b>	On-board LED lights in red when in alarm condition.

### On-Board Memory

<b>Capacity</b>	4MB ~ 2 million measurements
<b>Data Retention</b>	Over 20 years

### Sampling & Logging

<b>Sampling Interval</b>	20 milliseconds[1] to 12hours user selectable.
<b>Logging Mode</b>	Stop recording or FIFO when memory is full.
<b>Logging Activation</b>	Programmable instant, start delay or field push-button activation.

### Communications

<b>Interface</b>	USB(USB cable included). AUX(RJ11) for direct TTL level communications.
<b>Generic Serial Sensor</b>	Flexible Option for Logging From Wide Range of Smart Sensors and Data Streams <u>Available ports:</u> Serial Sensor Port (RS232, RS422, RS485) or Host RS232 Port* <u>Baud Rate:</u> 300 to 115,200 * If used as a Serial Sensor channel then the Host Port is Not Available for Other Communications

### Battery

<b>Power</b>	Built-in 3.6V Lithium Battery
<b>Life Cycle</b>	10 years based on 1 minute sampling interval

### Software

<b>SiteView[2]</b>	Configuration, downloading, plotting, real-time view, custom calibration and custom equation.
<b>Software Requirements</b>	Computer with 1.0 GHz or faster processor 256 MB Memory or higher 1.0 GB of available hard-drive space or higher Windows XP with SP2 or later, Vista, Window 7 At least one USB port or one COM port

### Other

<b>LED Indicator</b>	Tri-Color LED: (can be disabled for power saving) Normal Sampling: green when sampling Alarm: red when sampling Low Battery: amber when sampling
<b>Excitation Control</b>	A2/EXT terminal strip can be configured as excitation control output for driving the power of connected devices. Warm-up delay Interval settings: 10 to 240 seconds with 10 –second increments.
<b>Operating Environment</b>	-40 ~ +70°C (-40°F ~ 158°F), 0~95%RH non-condensing.
<b>Clock Accuracy</b>	+/- 1 minute per month
<b>Approvals</b>	CE, FCC

[1]: Maximum enabled channel: 1 for 20ms interval, 2 for 30ms, 8 for 40ms or bigger interval.

[2]: Sold separately.

**DISTRIBUTED BY**  
**CAS**  **DATALOGGERS**

8437 Mayfield Rd., Unit 104A  
Chesterland, OH 44026  
T: (800) 956-4437  
sales@dataloggerinc.com  
www.dataloggerinc.com