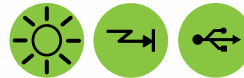


VersaLog™

Model:
P



4-mega byte memory stores up to 2 million measurements

Seven range programmable input channels for pulse count, on/off state or event timestamp measurements

Can be accessed via USB, MODEM, or Ethernet connections with auto baud rate of up to 115 kbps

5-year battery life

Fast sampling mode

Alarm and excitation output

The VersaLog P is a 7-channel, battery powered, stand-alone pulse/state/event data logger. The logger detects electronic or mechanical pulse counts, state changes or events in any of the seven channels. Data is stored in non-volatile flash memory for later retrieval. It works with gas/water/power meters, rain gauges, flow rate meters and any other digital signal/switch closure output devices.

Powered by configurable channel, internal pull-up and triggering edge selections, the Versalog P combines the functionality of three types of loggers into one compact unit.

Featuring an aluminum enclosure the VersaLog logger has excellent performance in the harshest industrial environment.

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 handles 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 viewing and chart recording replaces chart recording devices
- 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 provide detailed information of current zoomed view

Technical specifications (subject to change without notice)

Inputs	
Connections	Pluggable terminal block for seven external channels & alarm outputs
Channels	Seven external channels, each channel can be configured as either stage, event or pulse channel Event & Pulse: Each channel can be configured between Normal Open (High to Low, suggested) & Normal Close (Low to High, not suggested)
Type of Inputs	Voltage, solid state switch, coil relay, dry contact, digital TTL signal
Maximum Pulse Count per Sample Interval	65535 pulse counts
Pulse Accuracy	± 1 pulse
Maximum Pulse Rate	Without external power supply: 10Hz (20Hz if only one channel enabled) With external power supply: 2KHz (4KHz if only one channel enabled)
Internal Pull-up	100 KOhms. Switchable on/off
Input Impedance	>= 1MOhm
Trigger High Voltage	>= 2.7 Volts
Trigger Low Voltage	<= 0.5 Volt
Maximum Input Voltage	40 Volts
Alarms	
Channel Alarms	Two editable alarm thresholds per channel
Alarm Outputs	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 Can report alarm status to host PC via USB, Modem or Ethernet Device Server with SiteView software ^[2]
Alarm-On Delay	Programmable 0 - 10 minutes delay with 1-minute increments
Alarm Indicator	On-board LED lights in red when in alarm condition
On-Board Memory	
Capacity	4MB ~ 2 million measurements
Data Retention	Over 20 years

Sampling & Logging	
Sampling Interval	1 second to 12 hours user selectable
Logging Mode	Stop recording or FIFO when memory is full
Logging Activation	Programmable instant, start delay or field push-button activation
Communications	
Interface	USB (USB cable included), AUX (RJ11) for direct TTL level communications Can be connected to Ethernet for remote access with DeviceServer Kit ^[2]
Baud Rate	Auto-detect baud rate from 2400 to 115200 bps on both USB and AUX ports
Battery	
Power	Built-in 3.6V Lithium Battery
Life Cycle	5 years based on 1 minute or longer sampling interval, open contact
Software	
SiteView ^[2]	Configuration, downloading, plotting, real-time view, custom calibration and custom equation
Software Requirements	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, Windows 7, 8 At least one USB port or one COM port
Other	
LED Indicator	Normal Sampling: green when sampling Alarm: red when sampling Low Battery: amber when sampling
Excitation Control	A2/EXT terminal strip can be configured as excitation control output for powering connected devices Warm-up delay Interval settings: 10 to 240 seconds with 10-second increments
Operating Environment	-40 ~ +70°C (-40°F ~ 158°F), 0~95%RH non-condensing
Clock Accuracy	+/- 1 minute per month
Approvals	CE, FCC

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

[2]: Sold separately.

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