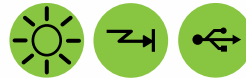


# VersaLog™

Model:  
BR



16-bit analog-to-digital converter meets most high-resolution requirements

4-megabyte memory stores up to 2 million measurements

2.5V excitation with compensation

$\pm 8$  mV input range

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

The VersaLog BR is a single channel, battery powered, stand-alone strain gauge bridge data logger. It supports 4/6 wheatstone bridges by providing voltage excitation, excitation voltage compensation and low level signal amplification. Data is stored in non-volatile flash memory for later retrieval.

The VersaLog BR features a measurement input voltage range of -8 mV to +8 mV to accommodate most common bridges with a sensitivity of up to 3 mV/V.

Featuring an aluminum enclosure 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.

## 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

Channels	CH1 - Excitation sense input CH2 - $\pm 8$ mV input range
Excitation Voltage Output	2.5VDC (Max load current: 10mA)
Accuracy	$\pm 0.2\%$ @ 25°C

#### 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 <sup>[2]</sup>
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	30 milliseconds 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 <sup>[2]</sup>
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	10 years based on 1 minute sampling interval

#### 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.