

Voltage Data Logger

VR-71 Features and Specs

Measurement Items
Voltage

Data Collection
Serial (RS-232C) Communication

Data Access
Local PC

Warning Notification
None

The VR-71 data logger is designed for measuring and recording voltage signals. The measurement range is DC±15V and can record common signals, such as 1-5V/4-20mA as well as output signals from a variety of sensors. Its most impressive feature allows the creation of your own dot matrix patterns for unit display and the ability to convert the recorded voltage signal into the desired unit and display accordingly.

Measure and Record with Two Channels

These two channels make it possible to obtain reliable readings when measuring two related phenomena.

Large Logging Capacity of 8000 Data Sets

Record up to 8,000 sets of data of all four measurement channels.

Operate for 9 Months on Just 2 Batteries

Continual operation can be carried out for up to 9 months with just 2 AAA alkaline batteries.

*Actual battery life is not guaranteed.

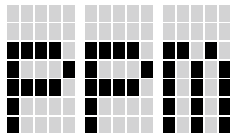
20 Recording Intervals

Select from 20 recording intervals (from 0.02 second to 1 hour).

Select the Unit of Display

Comes with automatic scale conversion function, making it possible to set the scale in the software and display data in the unit of your choice.

Example of created dot matrix pattern

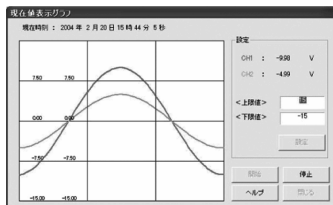


Example of created unit display



Current Readings Display

By connecting the logger to a PC, you can view current readings in a continually changing (every one second) graph.



	VR-71
Measurement Channels	Voltage 2ch (Common Ground)
Measurement Range	±1V, ±2V, ±6V, ±15V, Auto Auto is not available when using "msec" for the recording interval.
Accuracy	±(0.5% Reading + 5 digits) at 10 to 30°C
Measurement Resolution	1mV to 10mV
Input Frequency Characteristic	DC - 20 Hz
Logging Capacity	8,000 data sets One data set consists of readings for multiple channels.
Recording Intervals	20, 50, 100, 200, 500 msec. 1, 2, 5, 10, 15, 20, 30 sec. 1, 2, 5, 10, 15, 20, 30, 60 min.
Recording Mode	Endless Overwrite oldest data when capacity is full One Time Stop recording when capacity is full
LCD Display Items	Measurements (fixed or alternating display), Battery Life Warning, etc.
Communication Interfaces	Serial Communication (RS-232C)
Power	AAA Alkaline Battery (LR3) x2
Battery Life (*1)	Approx. 13 days to 9 months
Dimensions	H 55mm x W 88mm x D 24mm
Weight	Approx. 70 g
Operating Environment	Temperature: 0 to 50 °C Humidity: 90%RH or less (no condensation)
Accessories	AAA Alkaline Battery (LR3) x 2 Input Cable (VR-7101) x 2 Serial Communication Cable (TR-09C) x 1 Software (CD-ROM) x 1 User's Manual Set (Warranty Included)
Software: Voltage Recorder for Windows	
Compatible OS (*2)	Microsoft Windows 10 32/64bit Microsoft Windows 8 32/64bit Microsoft Windows 7 32/64bit Microsoft Windows Vista 32bit (SP1 or later)
Display Languages (*3)	English

*1: Battery life varies depending upon multiple factors including ambient temperature, recording interval, and battery performance. All estimates are based on operations carried out with a new battery and are in no way a guarantee of actual battery life.

*2: For installation, it is necessary to have Administrator (Computer Administrator) rights.

*3: We recommend using an operating system in the same language as the display language. Operation in different languages is not guaranteed.

The specifications listed above are subject to change without notice.