QUADVOLT

4 Channel Voltage Data Logger

FEATURES

- Real-time operation
- Low cost
- Programmable start time
- Programmable engineering units
- Reusable
- Miniature size
- User-friendly

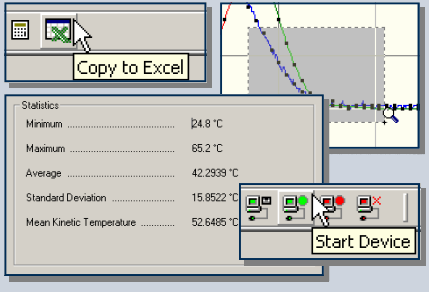
APPLICATIONS

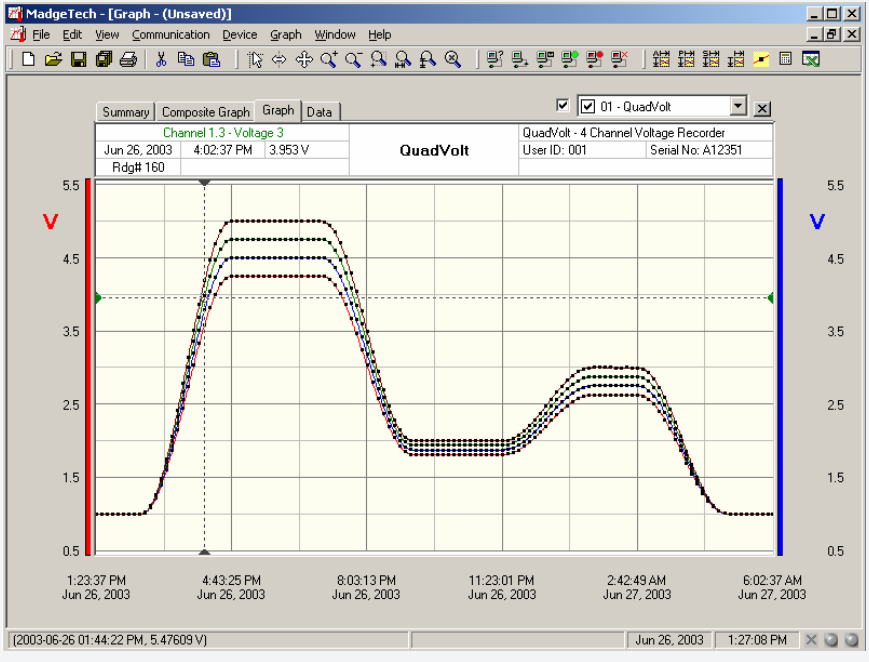
- Low level signal monitoring
- Medical/Pharmaceutical
- Battery studies
- Power supply monitoring
- Process plants
- Environmental studies
- Research and development

The QUADVOLT is a four channel, battery powered, stand alone voltage data logger. This is an all-in-one compact, portable, easy to use device that will measure and record up to 32,767 measurements per channel. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from your computer and its small size allows it to fit almost anywhere. The QUADVOLT makes data retrieval quick and easy. Simply plug it into an empty com port and our user-friendly software does the rest.

SOFTWARE

Linseis Data Logger Software is an easy to use Windows-based software package that allows the user to effortlessly collect, display and analyze data. A variety of powerful tools allow you to examine, export, and print professional looking data with just a click of the mouse.





www.Linseis.com

QUADVOLT SPECIFICATIONS

Input Connection: 4 removable screw terminals

Model:	2.5V	15V	30V
Voltage Range:	-0.25 to +2.75	-1.0 to +16.0	-2.0 to +32.0
Voltage Resolution:	0.1 mV	0.5 mV	1.0 mV
Calibrated Accuracy:	±0.01 (%FSR)	±0.10 (%FSR)	±0.10 (%FSR)
Input Impedance:	>1 kΩ*	>10 kΩ	>10 kΩ
Overload Protection:	±5 V	±30 V	± 48 V
Temperature Coefficient:	< 25 ppm/ºC	< 250 ppm/ºC	< 250 ppm/ºC

Analog Conversion Time: 133 ms

Frequency Rejection: 60 Hz

Specified Accuracy Range: Nominal range @ 25 ºC

Engineering Units: User may define units up to 10 characters in length. This value is stored within the device.

Scale Factor: User may program any desired scaling factor from ±1.000E-31 to ±9.999E+31. The scaling factor is stored within the device.

Start Time: Software programmable start time and date, up to six months in advance

Memory: 32,767 readings per channel

Reading Interval: 1 reading every second to 1 every 12 hours

Real Time Recording: May be used with PC to monitor and record data in real time

Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device

Power: 9V lithium or alkaline battery included

User Replaceable Battery: 1 year typical

Data Format: Date and time stamped V, mV, µV, engineering units specified through software

Time Accuracy: ±1 minute/month (at 20 ºC, RS232 cable not in use)

Computer Interface: PC serial or RS232C COM (interface cable required); 2,400 baud

Software: Windows 95/98/ME/NT/2000/XP based software

Operating Environment: -40 ºC to +80 ºC, 0 to 95 %RH non-condensing

Dimensions: 3.5" x 4.4" x 1.0" (89 mm x 111 mm x 26 mm)

Weight: 13 oz (370 g)

*Input impedance is greater than 1 MΩ during acquisition for the QUADVOLT-2.5

QUADVOLT SOFTWARE FEATURES

Multiple Graphs: Simultaneously analyze data from several units or deployments; easily switch to a single data series

Real-Time Recording: Collect and display data in real-time while continuing to log

Graphical Cursor: One click displays readings by time, value, parameter or sample number

Data Table: Instantly access tabular view for detailed dates, times, values, and annotations

Scaling Options: Autoscale function fits data to the screen, or allows user to manually enter their own values

Formatting Options: Change colors, line styles, plotting options, show or hide channels in an instant

Statistics: Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button

Export Data: Export data in a variety of common formats, or switch to Excel with a single click

Calibration: Fully digital calibration function automatically stores parameters in device

Logger Configuration: Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID

Communications: Automatically sets up communications port, or lets user set configuration

Printing: Automatically print graphical or tabular data

ORDERING INFORMATION

Model	Description
QUADVOLT-2.5	2.5V - 4 Channel Voltage Recorder
QUADVOLT-15	15V - 4 Channel Voltage Recorder
QUADVOLT-30	30V - 4 Channel Voltage Recorder
IFC101	Software, manual and 9-pin computer interface cable

ASK ABOUT OUR OTHER DATA RECORDERS

Temperature
Humidity
Pressure
Bridge/Strain
Current
Pulse/Event
Voltage
pH
Level
Shock/Vibration
Submersible
Intrinsically Safe
RF Transmitters
Multi-parameter