



OCTVOLT 8 Channel Voltage Data Logger

FEATURES

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

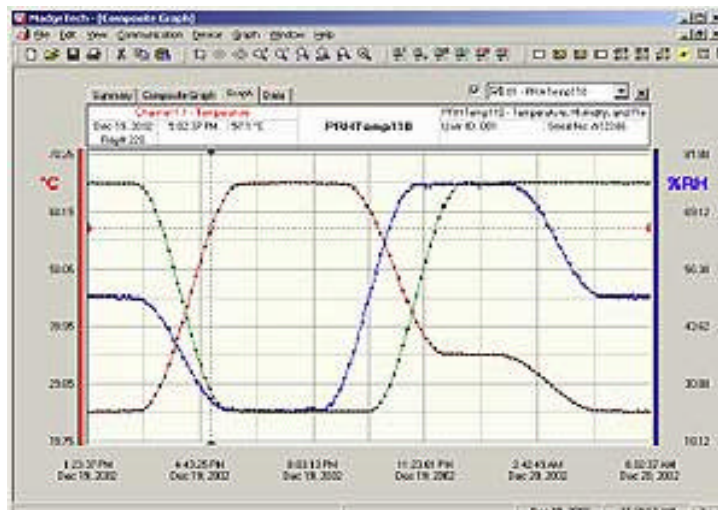
APPLICATIONS

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

SOFTWARE

Inseis 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.

The OCTVOLT is an eight 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 16,383 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 OCTVOLT makes data retrieval quick and easy. Simply plug it into an empty com port and our user-friendly software does the rest.



OCTVOLT SPECIFICATIONS

Input Connection:	8 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/°C	< 250 ppm/°C	< 250 ppm/°C
Analog Conversion Time:	133 ms		
Frequency Rejection:	60 Hz		
Specified Accuracy Range:	Nominal range @ 25 °C		
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		

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

Memory:	16,383 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 °C, 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 °C to +80 °C, 0 to 95 %RH non-condensing
Dimensions:	3.5" x 4.4" x 1.5" (89 mm x 111 mm x 37 mm)
Weight:	17 oz (480 g)

OCTVOLT SOFTWARE FEATURES

Multiple Graphs:	Simultaneously analyze data from several units or deployments; easily switch to a single data series	Statistics:	Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button
Real-Time Recording:	Collect and display data in real-time while continuing to log	Export Data:	Export data in a variety of common formats, or switch to Excel with a single click
Graphical Cursor:	One click displays readings by time, value, parameter or sample number	Calibration:	Fully digital calibration function automatically stores parameters in device
Data Table:	Instantly access tabular view for detailed dates, times, values, and annotations	Logger Configuration:	Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Scaling Options:	Autoscale function fits data to the screen, or allows user to manually enter their own values	Communications:	Automatically sets up communications port, or lets user set configuration
Formatting Options:	Change colors, line styles, plotting options, show or hide channels in an instant	Printing:	Automatically print graphical or tabular data

ORDERING INFORMATION

Model	Description
OCTVOLT-2.5	2.5V - 8 Channel Voltage Recorder
OCTVOLT-15	15V - 8 Channel Voltage Recorder
OCTVOLT-30	30V - 8 Channel Voltage Recorder
IFC101	Software, manual and 9-pin computer interface cable

ASK ABOUT OUR OTHER DATA LOGGERS

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