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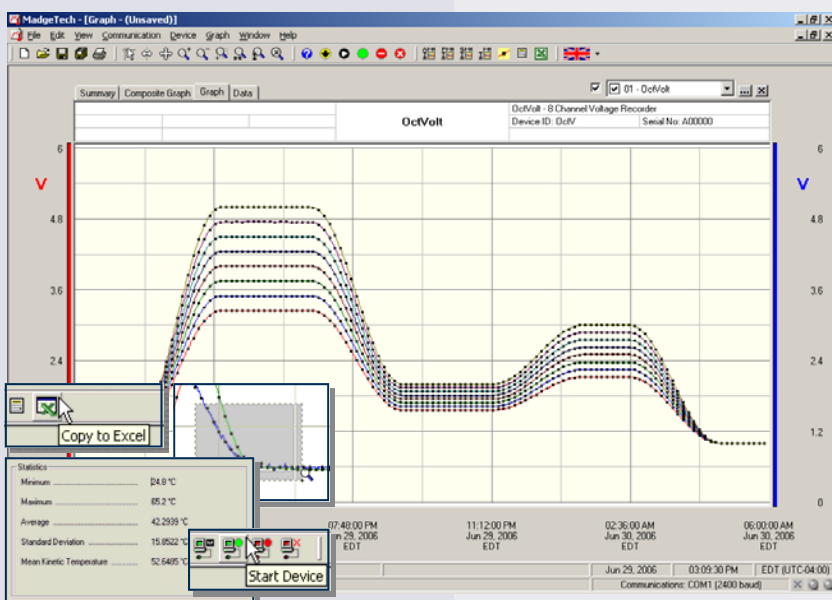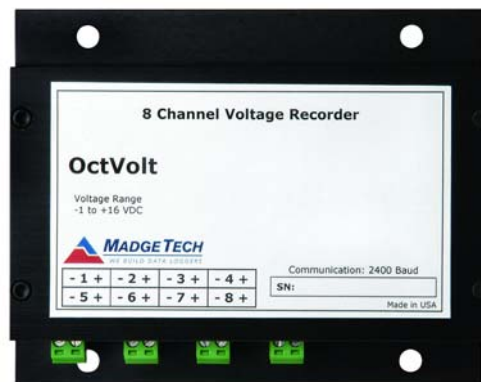
- Real-time operation
- Programmable engineering units
- Low cost
- Compact
- Miniature size
- User-friendly
- Programmable start time
- Reusable

Applications

- Low level signal monitoring
- Medical/Pharmaceutical
- Battery studies
- Power supply monitoring
- Process plants
- Environmental studies
- Research and development
- Replace costly strip chart recorders

The OctVolt is an eight channel, battery powered, stand alone voltage recorder. 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 or USB port and our user-friendly software does the rest.

OctVolt data recorder

MadgeTech's Data Recorder 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.

For more information about MadgeTech Recorders or to demo our software, visit us online at:
www.madgetech.com

Supplied in Australia by Instrument Choice
Call our scientists on 1300 737 871
www.instrumentchoice.com.au

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:	0.1mV	0.5mV	1.0mV
Calibrated Accuracy:	±0.01 (%FSR)	±0.10 (%FSR)	±0.10 (%FSR)
Input Impedance:	>1kΩ*	>10kΩ	>10kΩ
Overload Protection:	±5V	±30V	± 48V
Temperature Coefficient:	< 25ppm/°C	< 250ppm/°C	< 250ppm/°C

Analog Conversion Time: 133ms

Frequency Rejection: 60Hz

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 Modes: Software programmable immediate start or delay start up to six months in advance

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

Memory: 16,383 readings per channel; 131,068 total readings

Reading Rate: 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

Battery Type: 9V lithium or alkaline battery included; **user replaceable**

Battery Life: 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 USB (interface cable required); 2,400 baud

Software: XP SP3/VIsta/Windows 7

Operating Environment: -20°C to +60°C, 0 to 95%RH non-condensing

Dimensions: 3.5" x 4.4" x 1.5" (89mm x 112mm x 39mm)

Weight: 17 oz (480 g)

BATTERY WARNING: DISCARD USED BATTERY PROMPTLY. KEEP OUT OF REACH OF CHILDREN. DO NOT DISPOSE OF IN FIRE, RECHARGE, PUT IN BACKWARDS, DISASSEMBLE, OR MIX WITH OTHER BATTERY TYPES. MAY EXPLODE, FLAME OR LEAK AND CAUSE PERSONAL INJURY.

SOFTWARE FEATURES

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

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 quickly

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: Automatically calculate and store calibration parameters

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 select configuration

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY AND REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

ORDERING INFORMATION

Model	Description	
OCTVOLT-100mV	±100mV 8-Channel Voltage Recorder	
OCTVOLT-2.5V	±2.5V 8-Channel Voltage Recorder	
OCTVOLT-15V	±15V 8-Channel Voltage Recorder	
OCTVOLT-30V	±30V 8-Channel Voltage Recorder	
IFC110	Software, manual and RS232 interface cable	
IFC200	Software, manual and USB interface cable	
U9VL-J	Replacement battery for OctVolt	

ASK ABOUT OUR OTHER DATA RECORDERS

Temperature	Pulse/Event/State
Humidity	Low Level Current
Pressure	Low Level Voltage
pH	RF Transmitters
Level	Intrinsically Safe
Shock	Spectral Vibration
LCD Display	

For quantity discounts call 1300 737 871 or email customer-service@instrumentchoice.com.au

MADGETECH
WE BUILD DATA LOGGERS