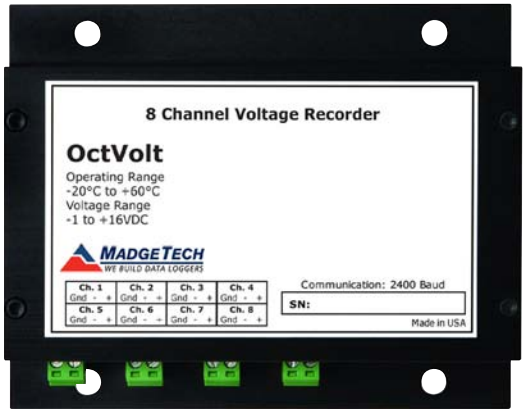
OCTVOLT
8 CHANNEL VOLTAGE DATA LOGGER

MADGETECH
WE BUILD DATA LOGGERS

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

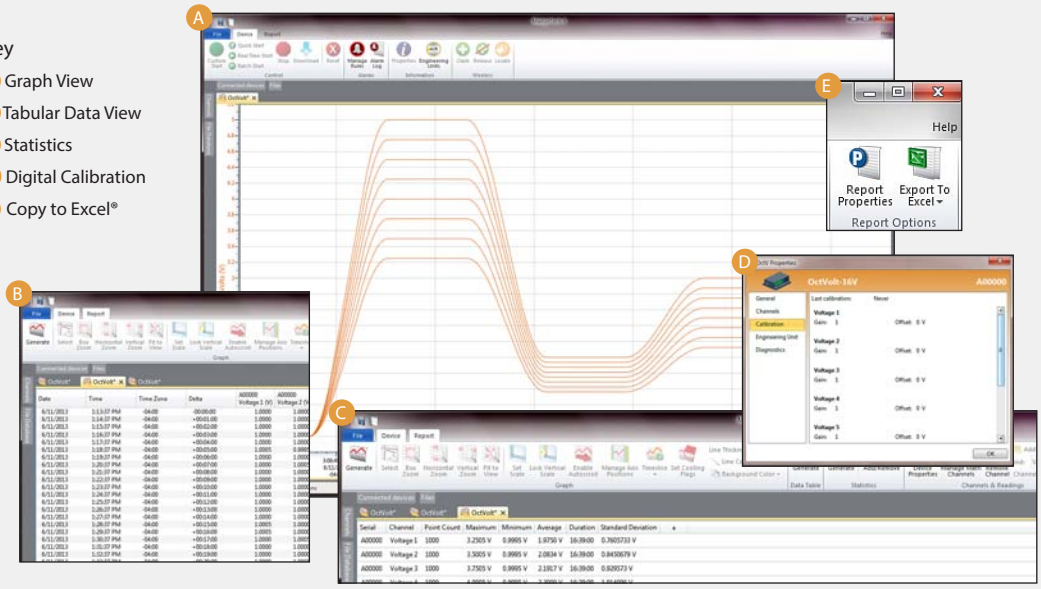
Applications
- Low level signal monitoring
- Medical/Pharmaceutical
- Battery studies
- Power supply monitoring
- Process plants
- Environmental studies
- Research and development
- Replace costly strip chart recorders



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.

MADGETECH DATA LOGGER SOFTWARE

Key
- A Graph View
- B Tabular Data View
- C Statistics
- D Digital Calibration
- E Copy to Excel®



Software Features:
- Multiple graph overlay
- Statistics
- Digital calibration
- Zoom in/ zoom out
- Lethality equations (F0, PU)
- Mean Kinetic Temperature
- Full time zone support
- Data annotation
- Min./Max./Average lines
- Data table view
- Automatic report generation
- Summary view
- Multilingual

OCTVOLT SPECIFICATIONS*

Input Connection:	8 removable screw terminals		
Model:	2.5 V	15 V	30 V
Voltage Range:	-0.25 to +2.75	-1.0 to +16.0	-2.0 to +32.0
Voltage Resolution:	0.1 mV	0.5mV	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 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 up to 1 reading 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/Windows 8
Operating Environment:	-20 °C to +60 °C, 0 %RH to 95 %RH non-condensing
Dimensions:	3.5 in x 4.4 in x 1.5 in (89 mm x 112 mm x 39 mm)
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.

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
IFC200	Software, manual and USB interface cable
Calibration Certificate	Calibration Certificate available for data logger
U9VL-J	Replacement battery for OctVolt

ASK ABOUT OUR OTHER DATA LOGGERS

Temperature
Humidity
Pressure
pH
Level
Shock
LCD Display
Pulse/Event/State
Current
Voltage
Wireless
Intrinsically Safe
Spectral Vibration
Motion