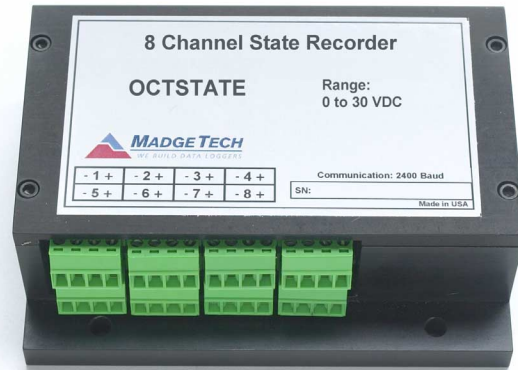**MADGE TECH**
WE BUILD DATA LOGGERS

FEATURES

- ❖ Interfaces to contact closures
- ❖ Real-time operation
- ❖ Low cost
- ❖ Programmable start time
- ❖ Programmable engineering units
- ❖ User-friendly
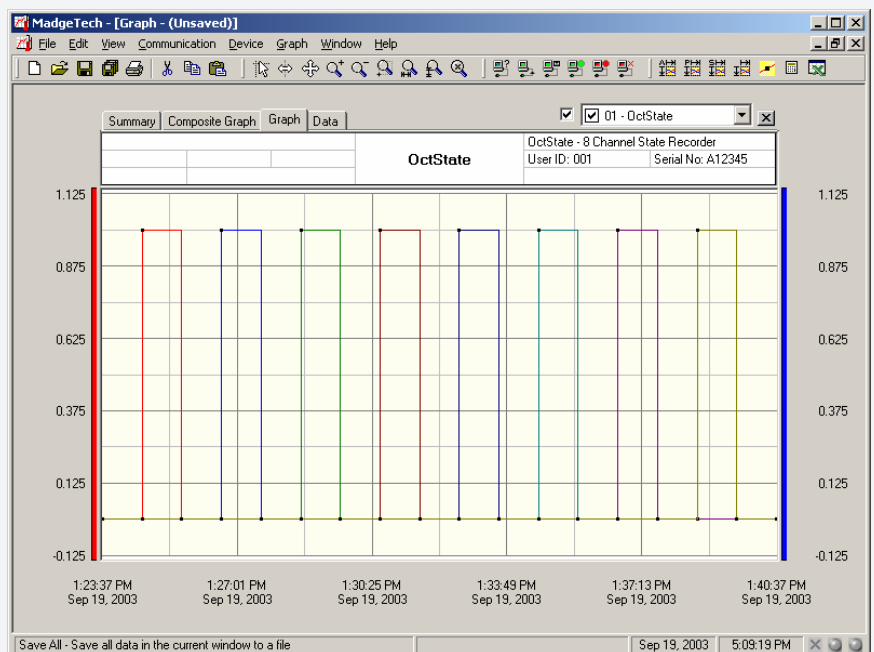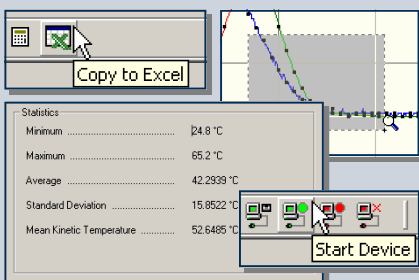- ❖ Convenient size
- ❖ Reusable

APPLICATIONS

- ❖ Security systems
- ❖ Power supply on/off
- ❖ Relay or dry contact closure
- ❖ TTL high/low
- ❖ Monitoring gas, water or electric pumps
- ❖ Time studies
- ❖ Status or state recording
- ❖ Replace costly strip chart recorders

The OCTSTATE is a eight channel, battery powered, stand alone state recorder. This is an all-in-one compact, portable, easy to use device that will measure and record up to 104,857 state changes. 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 OCTSTATE makes data retrieval quick and easy. Simply plug it into an empty com port and our user-friendly software does the rest.

SOFTWARE

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.

Demo our software at www.madgetech.com

Input Connection:	8 removable screw terminals	**Memory:**	104,857 state changes
Input Low:	< 0.4 V	**Real Time Recording:**	May be used with PC to monitor and record data in real time
Input High:	> 2.7 V		
Input Range:	0 to 30 V	**Calibration:**	Digital calibration through software
Input Impedance:	> 1KOhm	**Calibration Date:**	Automatically recorded within device
Time Resolution:	1 second (reading rate dependent)	**Power:**	9V lithium or alkaline battery included
		User Replaceable Battery:	1 year typical
Engineering Units:	User may define units up to 10 characters in length. This value is stored within the device.	**Data Format:**	Date and time stamped state changes (on/off) engineering units specified through software
		Time Accuracy:	±1 minute/month (at 20 ºC, RS232 cable not in use)
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.	**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
Start Time:	Software programmable start time and date, up to six months in advance	**Dimensions:**	3.5" x 4.4" x 1.5" (89 mm x 111 mm x 37 mm)
Reading Interval:	1 reading every second to 1 every 12 hours	**Weight:**	17 oz (480 g)

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

**As part of our commitment to continuous product improvement, MadgeTech reserves the right to change product specifications without notice

ORDERING INFORMATION

Model	Description
OCTSTATE	8 Channel State Recorder
IFC110	Software, manual and 9-pin computer interface cable

ASK ABOUT OUR OTHER DATA RECORDERS

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