

FEATURES

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

APPLICATIONS

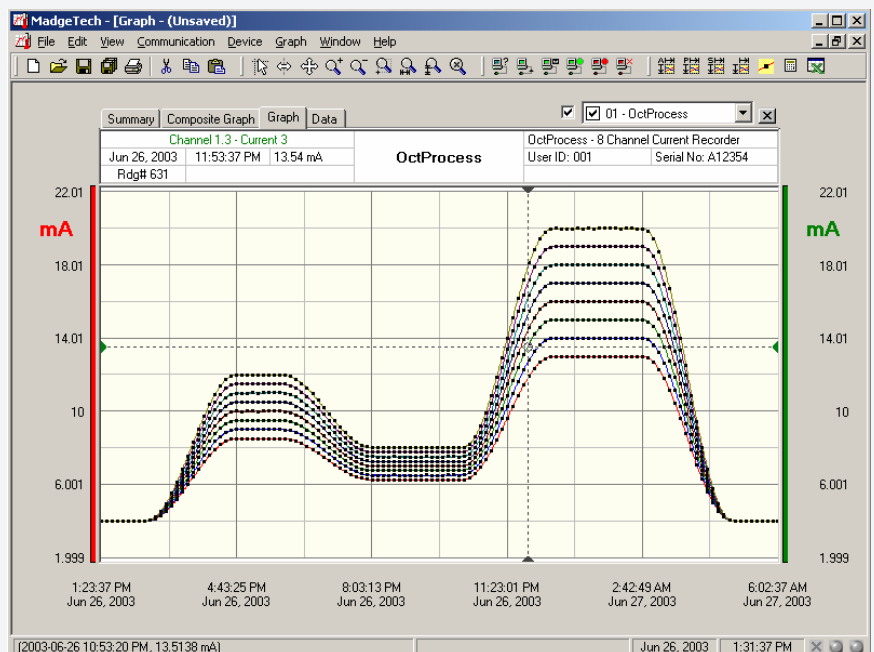
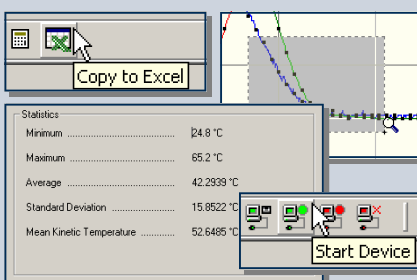
- ❖ 4 to 20 mA recording
- ❖ pH recording
- ❖ Low level signal monitoring
- ❖ Photovoltaic studies
- ❖ Battery studies
- ❖ Medical/Pharmaceutical
- ❖ Environmental studies
- ❖ Research and development
- ❖ Replace costly strip chart recorders



The OCTPROCESS is an eight channel, battery powered, stand alone current recorder. This is an all-in-one compact, portable, easy to use device that will measure and record up to 16,383 measurements. 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 OCTPROCESS 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

OCTPROCESS SPECIFICATIONS

Input Connection: 8 removable screw terminals	Memory: 16,383 readings
Measurement Range: -20.0 to 100.000 mADC	Reading Interval: 1 reading every second to 1 every 12 hours
Current Resolution: 10 μ ADC	Real Time Recording: May be used with PC to monitor and record data in real time
Calibrated Accuracy: 0.1% FSR \pm 1 LSB	Specified Accuracy Range: Nominal range @ 25 °C
Input Impedance: 10 Ω	Calibration: Digital calibration through software
Analog Conversion Time: 133 ms	Calibration Date: Automatically recorded within device
Frequency Rejection: 60 Hz	Power: 9V lithium or alkaline battery included
Temperature Coefficient: < 100 ppm/°C; < 50 ppm/°C typical	User Replaceable Battery: 1 year typical
Overload Protection: \pm 125 mA for 10 seconds	Time Accuracy: \pm 1 minute/month (at 20 °C, RS232 port not in use)
Specified Accuracy Range: Nominal range @ 25 °C	Data Format: Date and time stamped A, mA, μ A, engineering units specified through software
Engineering Units: User may define units up to 10 characters in length. This value is stored within the device.	Software: Windows 95/98/ME/NT/2000/XP based software
Scale Factor: User may program any desired scaling factor from \pm 1.000E-31 to \pm 9.999E+31. The scaling factor is stored within the device.	Computer Interface: PC serial or RS232C COM (interface cable required); 2,400 baud
Start Time: Software programmable start time and date, up to six months in advance	Operating Environment: -40 °C to +80 °C, 0 to 95 %RH non-condensing
	Dimensions: 3.5" x 4.4" x 1.5" (89mm x 111mm x 37mm)
	Weight: 17 oz (480 g)

*Negative input on all channels must be connected to ground in order to obtain accurate readings.

OCTPROCESS 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
OCTPROCESS	8 Channel Current Recorder
IFC101	Software, manual and 9-pin computer interface cable

ASK ABOUT OUR OTHER DATA RECORDERS

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