OCTPROCESS
8 CHANNEL CURRENT RECORDER

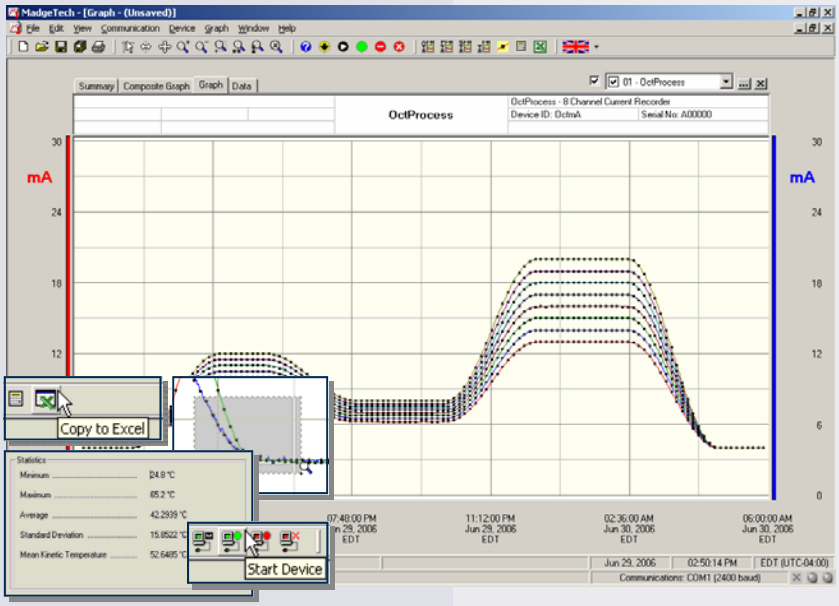
Features

- 16-bit readings provide high resolution
- User-defined engineering units
- Programmable start time and recording interval
- Low cost
- Real-time operation
- Reusable
- Compact
- User-friendly
- CE compliant

Applications

- 4 to 20 mA recording
- pH recording
- Low level signal monitoring
- Photovoltaic studies
- Battery studies
- Biological sensor monitoring
- Factory process control
- Research and development
- Medical and Pharmaceutical
- Environmental studies

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 readings 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 OctProcess makes data retrieval quick and easy. Simply plug it into an empty COM or USB port and our user-friendly software does the rest.



OctProcess data recorder
displays eight channels of temperature in an easy to use graph.

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

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OCTPROCESS SPECIFICATIONS*

Nominal Range:	**±1mA**	**±25mA**	**±100mA**
Measurement Range:	±1.5mA	±30mA	±120mA
+/- Input Voltage Range:	0 to 2.5V	0 to 2.5V	0 to 2.5V
Resolution:	0.05µA	1µA	5µA
Calibrated Accuracy:	±0.5%FSR	±0.1%FSR	±0.1%FSR
Input Impedance:	50Ω	10Ω	2Ω
Overload Protection:	±20mA	±100mA	±125mA

Specified Accuracy Range: Nominal range @ 25°C

Input Connection: 8, 3-input removable screw terminals

Analog Conversion Time: 133 ms

Frequency Rejection: 60 Hz

Temperature Coefficient: < 100ppm/°C; < 50ppm/°C typical

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

Memory: 16,383 readings per channel (262,136 total memory)

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

Time Accuracy: ±1 minute/month at 20ºC (RS232 port not in use)

Data Format: Date and time stamped A, mA, µA, engineering units specified through software

Software: Windows 95/98/ME/NT/2000/XP based software

Computer Interface: PC serial or USB (interface cable required); 2,400 baud

Operating Environment: -20 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)

Approvals: CE

Common mode voltage must be less than 3 volts. All inputs must be within 3 volts of all other inputs.

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	Price (U.S.)
OCTPROCESS-1mA	±1mA 8-Channel Current Recorder	$999.00
OCTPROCESS-25mA	±25mA 8-Channel Current Recorder	$999.00
OCTPROCESS-100mA	±100mA 8-Channel Current Recorder	$999.00
IFC110	Software, manual and RS232 interface cable	$99.00
IFC200	Software, manual and USB interface cable	$119.00
NIST	N.I.S.T. Calibration Certificate	Call for Pricing
U9VL-J	Replacement battery for OctProcess	$15.00

For Quantity Discounts call 603-456-2011 or email sales@madgetech.com

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

MADGETECH
WE BUILD DATA LOGGERS