QUADPROCESS

4 Channel Current Data Logger

The QUADPROCESS is a 4 channel, battery powered, stand alone current data logger. This is an all-in-one compact, portable, easy to use device that will measure and record up to 32,767 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 QUADPROCESS makes data retrieval quick and easy. Simply plug it into an empty com port and our user-friendly software does the rest.

FEATURES

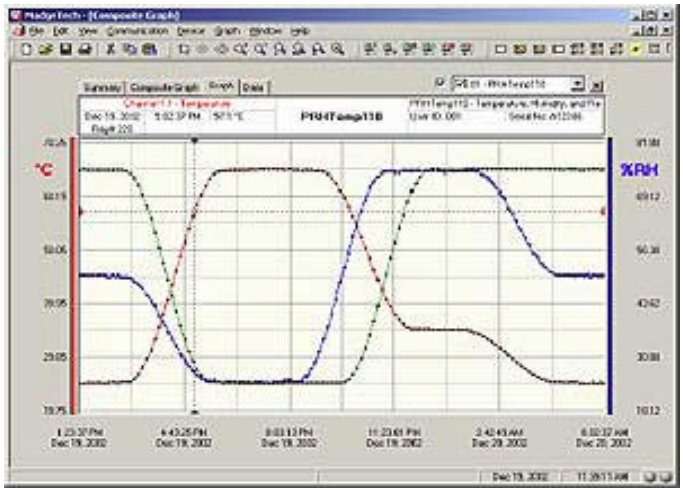
- Real-time operation
- Low cost
- Programmable start time
- Reusable
- Miniature size
- User-friendly
- Programmable engineering units

APPLICATIONS

- 4 to 20 mA recording
- pH recording
- Low level signal monitoring
- Photovoltaic studies
- Battery studies
- Medical/Pharmaceutical
- Environmental studies
- Research and development

SOFTWARE

Linseis 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.



QUADPROCESS SPECIFICATIONS

Input Connection: 4 removable screw terminals
Measurement Range: -20.0 to 100.000 mADC
Current Resolution: 10 µADC
Calibrated Accuracy: 0.1% FSR ±1 LSB
Input Impedance: 10 Ω
Analog Conversion Time: 133 ms
Frequency Rejection: 60 Hz
Temperature Coefficient: < 100 ppm/ºC; < 50 ppm/ºC typical
Overload Protection: ±125 mA for 10 seconds
Specified Accuracy Range: Nominal range @ 25 ºC
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: 32,767 readings per channel
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
Specified Accuracy Range: Nominal range @ 25 ºC
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 20 ºC, 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 RS232C COM (interface cable required); 2,400 baud
Operating Environment: -40 ºC to +80 ºC, 0 to 95 %RH non-condensing
Dimensions: 3.5" x 4.4" x 1.0" (89mm x 111mm x 26mm)
Weight: 13 oz (370 g)

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

QUADPROCESS SOFTWARE FEATURES

Multiple Graphs: Simultaneously analyze data from several units or deployments; easily switch to a single data series
Real-Time Recording: Collect and display data in real-time while continuing to log
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 in an instant
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: Fully digital calibration function automatically stores parameters in device
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 set configuration
Printing: Automatically print graphical or tabular data

ORDERING INFORMATION

Model	Description
QUADPROCESS	4 Channel Current Recorder
IFC110	Software, manual and 9-pin computer interface cable

ASK ABOUT OUR OTHER DATA RECORDERS

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