IX-408 Data Recorder

- 100KHz 16 bit A/D converter (aggregate)
- USB interface to any Macintosh or PC
- LabScribe2 softare included
- Low noise
- Compatiable with electrophysiological applications

The IX-408 recorder is economical, high performance eight channel data recorder for use with a broad range of analog amplifiers. The recorder offers 16-bit resolution at a maximum data collection speed of 100 kHz, making it appropriate for most research applications. The included LabScribe2 software allows"one-click" control of the entire acquisition process, plus a large library of standard analytical functions to process data. The 408 recorder is powered via a USB interface to any Macintosh or PC, eliminating the need to install special interface cards. Users are typically recording and analyzing signals within minutes of installation.

Resolution

The IX-408 recorder uses a 16-bit A/D converter to sample data over its full input range of +/-10V at speeds up to 100kHz. The low noise (<1mV) greatly reduces the need for gain and offset.

LabScribe2 Software Provides Powerful Analysis Tools

Installation and operation of the LabScribe2 acquisition and analysis software is easy and straightforward. It supports real units and a time based display that is not coupled to sample rate. The display can be configured to allow viewing of as many data points as the user desires. Scrolling, zoom-in and zoom-out tools, together with a searchable list of user interventions, make finding important areas of data easy.

LabScribe2 provides a powerful array of built-in data analysis tools. It strikes a balance between the straightforward, general operations that everyone uses and the vertical, complex routines that only you use. The result is a powerful analytical tool that can go to work on your data right away, or be customized to do very specific and complex analyses.

Exceptional Value

The IX-408 recorder provides turnkey continuous recording solutions at a fraction of the cost and complexity associated with systems requiring PCI bus plug-in cards. No breakout box is required, as connectors are part of the enclosure. In fact, no other hardware is required to get up and running.

System Requirements

The IX-408 recorder requires a minimum Pentium II or Celeron level 500MHz computer running Windows ME, 2000, XP or VISTA with at least 1 GB of RAM, at least 1 GB of free space on the hard drive, and 1 free USB port.

Specifications

Input	
Analog Inputs	8
Input Impedance	1M Ohm
Input Range	+10 VDC
Noise	<1 mV
Digital Input/Output	
Lines	8 - 4 input, 4 output
Digital Output	DB9
A/D Converter	
Sample Speed	
(Samples/second)	100,000 aggregate
Resolution	16 Bit
Interface	USB 1.1 / 2.0 full speed
Analog Output or Stimulator	
Number of DACs	1 (BNC connector rear panel)
DAC Resolution	16 Bit
DAC Speed	100ks/S (Independent of sample speed)
DAC Output range	± 10 Volts
DAC Noise	< 1mV typical
DAC Modes	Pulse, Train, Step, DC, Ramp, Triangle
Power	5V DC, 1 Amp Wall Adapter
Warranty	One year, parts and labor

Ordering Information

Cat. No.	Model	Product
64-2325	IX-408	8 Channel Data Recorder

Warner Instruments. • 1125 Dixwell Ave. Hamden, CT 06514 USA • (203) 776-0664 • (800) 599-4203 • Fax (203) 776-1278