



For Immediate Release

iWorx Introduces the IX-100B High Performance, Single Channel Data Acquisition System for Dedicated Physiology Research Applications

Dover, NH, June 6, 2011 – [iWorx](#), a developer of advanced physiology research tools, has introduced the [IX-100B Data Acquisition System](#) that provides high resolution/low noise recording of biopotential signals such as ECG, EMG, and EEG in small animal cardiovascular research. With one isolated input channel and a low voltage stimulator, the system is ideal for dedicated applications where only one biopotential recording channel is required.

The iWorx 100B uses a 16-bit A/D converter to sample data over its full input range of $\pm 1V$ at speeds up to 200 kHz. The recorder also offers a wide selection of low pass and high pass filters and gains and is safe for human connection. The recorder incorporates a software programmable 16 bit, $\pm 5V$ stimulator (DAC). Parameters for the stimulator, such as pulse width, frequency and amplitude, may be changed “on-the-fly.” Standard protocols include Pulse, Train, and Step; protocols can be customized as well. In isolated heart applications, the stimulator may be programmed for pacing.



The iWorx 100B recorder is controlled by [LabScribe2 software](#), a powerful recording and analysis software package. LabScribe2 has an intuitive, user-friendly interface for setting up acquisition screens, calibrating signals and analyzing data. Up to 128 channels of data can be displayed simultaneously at sampling rates as high as 200,000 samples/second. A comprehensive set of analytical routines have been pre-configured making data analysis and interpretation quick and easy. Specific software modules for [cardiovascular research](#) are available to analyze pressure signals, blood flow data, ECG recordings, ventricular pressure-volume loops and sonomicrometry dimension data.

More information on iWorx IX-100B Data Acquisition System can be found at www.iworx.com. Contact iWorx Systems, Inc., One Washington Street, Suite 404, Dover, NH 03820 (T) (800) 234-1757, (F) (603) 742-2455, billm@iworx.com.

About iWorx

iWorx advanced research solutions include high performance recording hardware, software, and components that accelerate metabolic, cardiovascular, neuromuscular and respiratory physiology research. In addition to data acquisition systems, iWorx offers a full selection of

signal conditioners, stimulators, transducers, electrodes, cables, and general-purpose laboratory equipment and accessories.

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