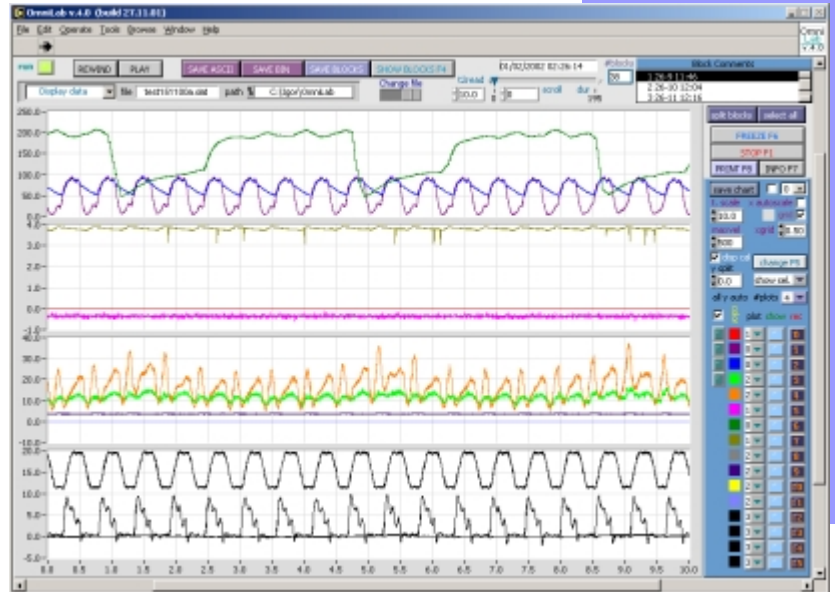# OmniLab

Physiological Data Acquisition, Retrieval and Analysis

Features

Up to 16 analog input channels

Output triggers for communication

Variable sampling rate

Switch between "monitoring" and "record" modes

Log the entire experiment to separate file with decimated sampling rate

Streaming-to-disk capabilities

Calibration routine

Various display options

Online data analysis during data acquisition

Mark events in data with time-stamped comments

Full-screen mode

Playback mode

Retrieval and analysis of data blocks according to event comments

Export data regions of interest or whole blocks to ASCII or binary file

Sample Matlab software and source code available for reading and analysis of exported binary files

System Requirements

586 PC, National Instruments data acquisition (DAQ) board with NI-DAQ drivers
Windows 2000/NT/Me/9x with minimum 32 MB RAM (128 MB recommended)

Overview

OmniLab is a versatile data acquisition and analysis software package designed specifically for physiological labs. OmniLab is written in LabVIEW® (National Instruments, http://www.ni.com) and works with NI DAQ hardware. While OmniLab basic package already includes many features and options, powerful LabVIEW programming environment and flexible modular structure of OmniLab allow quick and efficient customization and tailoring for even more specific customer's needs. Visit OmniLab website (http://igoresha.virtualave.net/LabVIEW/OmniLab) for more information and updates.

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