

usb acquisition & amplification

Modular system !

Plug-&-play data acquisition solution, designed for direct USB link to computer running **iox2** acquisition software:

- » ideal for medium size setups & for systems needing to be moved
- » adapted to swap between several computers (incl. laptops)
- » well suited for a large variety of preclinical experiments: can be used with isometric transducers for tissue contraction studies, blood pressure transducers, differential air pressure transducers, multi-lead ECG, ...

usbACQ is designed to acquire any amplified analog signals.

usbAMP is designed to acquire and amplify:

- » biopotential signals (multi-lead or single-lead ECG)
- » signals from strain gauge transducers (force, pressure, ...)

usbAMP model 1 includes:

- » 1 multi-lead ECG amplifier: L1, L2, L3, aVF, aVL, aVR
- » 1 amplifier for strain gauge transducer signal

usbAMP model 2 includes amplifiers for any combination of biopotential or strain gauge transducer signals, for ex:

- » 4 blood pressure (BP)
- » or 4 force
- » or 1 BP + 2 single-lead ECG + 1 pulmonary pressure
- » or ..

Key features

- » up to 4 devices can be linked together to the same computer
- » TTL bus: 8 digital outputs (I/O), to drive external devices
- » timer: output TTL signal to trigger stimulator: 0,1 to 1KHz
- » gain: from 8 to 200 depending on transducer model
- » sampling frequency: 2 KHz
- » bus protocol: USB 2.0
- » OS: Microsoft® Windows® XP or 7

Software

- » designed to be used with **iox2** software
- » for data acquisition and analysis of cardiovascular, ECG, respiration, and many other applications signals

Please refer to our **iox2** brochure for more information.

