

## Making Physiology Happen

Simplify your physiology lab with the iWorx TR, a revolutionary lab teaching solution, designed with research grade components. With a variety of new built in features, the iWorx TR promotes a robust, easy to use, all inclusive recorder. Bringing all the benefits of wireless to you!

### IX-TA-ROAM Features:

- Wireless ROAM for ECG, EMG and EEG
- Integrated pre-calibrated sensors (spirometer, grip force, blood pressure, pulse-ox, and more) streamline Set-up
- Built-in bipolar high voltage stimulator for human and animal striated muscle experiments and more
- On-board barometric pressure sensor ensures the highest accuracy for your spirometry lab
- Unique iWire digital interface adds plug and play ease as well as quieter signals for ECG, EMG, EEG and GSR recordings
- 3-Axis Accelerometer included with wireless ROAM
- LCD Display

### IX-TA-ROAM Specifications:

- Spirometer input Range: +/- 10 cm water
- Pressure Transducer Input Range: 1700 mmHg
- Input Range: +/- 10 VDC
- Inputs: 2 BNC, 2DIN8 and Digital
- Outputs: High/Low Voltage Stimulator and Digital
- Resolution: 16 bit
- System Noise: < 1mV p-p
- Sampling Speed: 200kHz aggregate
- Interface: USB
- Power: 12 VDC, 1.5 A
- Enclosure: Plastic
- Warranty: 3 Years
- Software: LabScribe

# iWorx IX-TA-ROAM Data Recorder



### ROAM-B2A:



### Roam-B2A Features:

- 8+ Hours of Continuous Recording
- Plug and Play Technology
- PC and Mac
- USB-Powered
- No Syncing Required
- 3-axis Accelerometer
- Included Analysis Software

### ROAM-B2A Specifications:

- 2 Channels ECG/EMG/EEG
- X,Y,Z acceleration
- 2k samples per second per channel
- Resolution: < 6  $\mu$ V
- Battery Life: > 8hrs
- Range: 20ft
- Exercise Electrodes for ECG/EMG/Respiration, Offset Electrode 35x53mm

Expansion Made Easy

# iWire Compatible Devices

iWorx developed a proprietary Serial Interface technology called iWire to enable unparalleled expansion of your laboratory recording equipment by simply plugging in an iWire compatible device. A traditional data recorder would require additional recording channels to accomplish this functionality.

## iWire-BIO4/8:

- 4 or 8 Biopotential Channel Expansion



## iWire-ECG12:

- 12 Lead ECG Expansion



## iWire-B3G:

- ECG / EMG / EEG / GSR Expansion



## iWire-AM:

- 2 Channel Audio Monitoring Expansion



## iWire-GA1:

- O<sub>2</sub> / CO<sub>2</sub> Gas Analyzer Expansion

