

Making Physiology Happen

The ROAM-B2A is a versatile, wireless system with 8+ hours of continuous recording, 20ft range provides long-term recording and unrestricted movement. The recording device easily attaches to the subject with standard electrodes. The IX-TA-ROAM Recorder doubles as a charging station. The system works with both Windows and MacOS via standard USB interface. Data can be quickly analyzed with the included LabScribe analysis software or exported directly for other processing.

iWorx 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

Specifications:

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

Measurements:

- SEMG Measurements
- Maximal Voluntary Contraction
- Muscle Force
- Fatigue
- Recruitment
- Summation
- Incomplete Tetanus
- Complete Tetanus
- H-Reflex

Analysis:

Frequency Domain Analysis

- Power Spectral Density

Time Domain Analysis

- Rectified EMG Data
- Filtering
- Mean Frequency
- and More!