

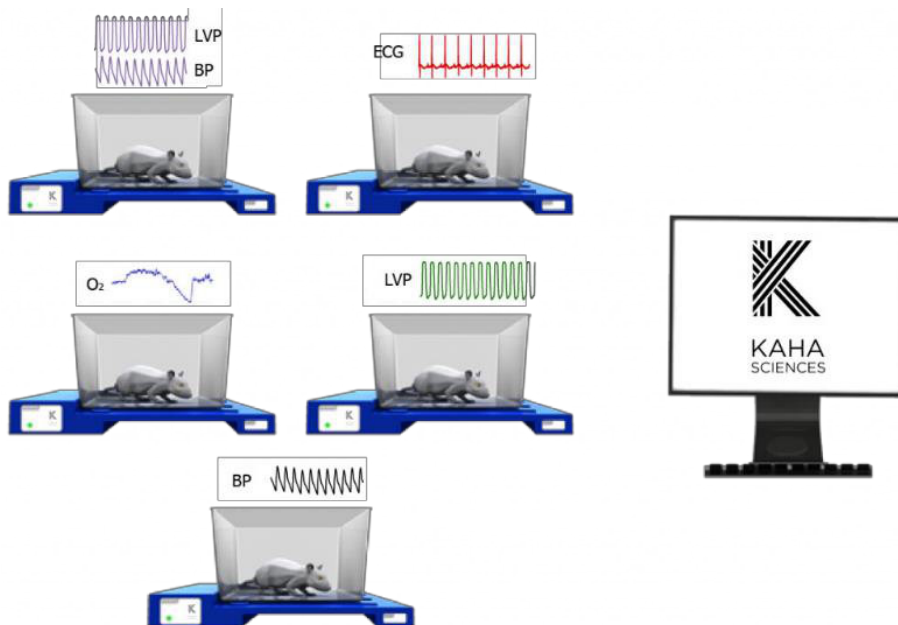
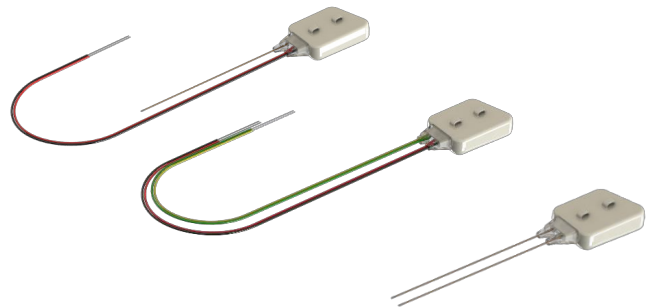
iWorx Rat Telemetry System

HIGH FIDELITY LONG-TERM RECORDING

iWorx Kaha telemetry systems use wireless power transfer from combined wireless power platforms and digital receivers to provide power to the telemeters allowing 24/7, long-term, high-frequency sampling (2 kHz)

Kaha Rat Telemetry System

- Recording range up to 5m
- Data sampling frequency up to 2 kHz
- Wireless power and battery backup provides 24/7 data recording capabilities
- Ideal for rats (>175g)
- No refurbishment - recharge, re-clean, re-sterilize, reuse
- Cohousing – two rats in a cage or two telemeters in a rat (>350g)
- Independent digital transmission bands (up to 40)



Applications

- Arterial Pressure
- Left Ventricular Pressure (LVP)
- Tissue Oxygenation
- Sympathetic Nerve Activity (SNA)
- High-frequency Biopotentials (ECG, EMG, EEG)
- Intracranial Pressure (ICP)



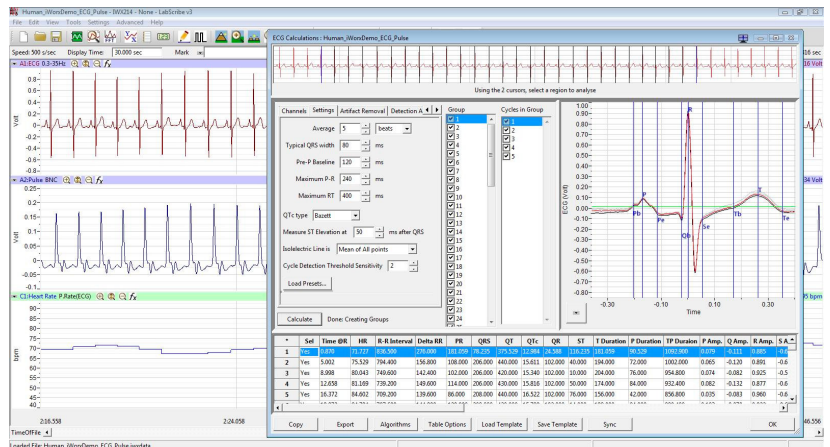
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iWorx Recording and Analysis

LabScribe Recording and Analysis Software Included



Choice of 4, 8 or 16
Channel Data Recorder



ECG Analysis

- R-R, PR, QT, QR, QTc Intervals
- QRS, T, P and TP Durations
- P, Q, R, S, T Amplitudes
- ST Elevation
- Analysis Templates to delineate PQRST onset, durations and amplitudes
- Create Custom Templates for unique ECG profiles
- Beat averaging and classification
- Outlier removal based on abnormal R-R intervals, heart rate, noise and activity
- Export source data and average data as images or text files
- Plug and play compatible with all iWorx Data Acquisition Systems
- Optional ASCII Text Import Module

Pressure Analysis

- Heart Rate (HR)
- Maximum Pressure (Pmax)
- Minimum Pressure (Pmin)
- Mean Arterial Pressure (MAP)
- Systolic and diastolic pressure
- Maximum dP/dt (dP/dtmax)
- Minimum dP/dt (dP/dtmin)
- Pulse Height
- Notch Pressure
- Systolic Duration
- Diastolic Duration
- Cycle Duration
- Time To Peak
- Election Time
- Percent Recovery
- And more...



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