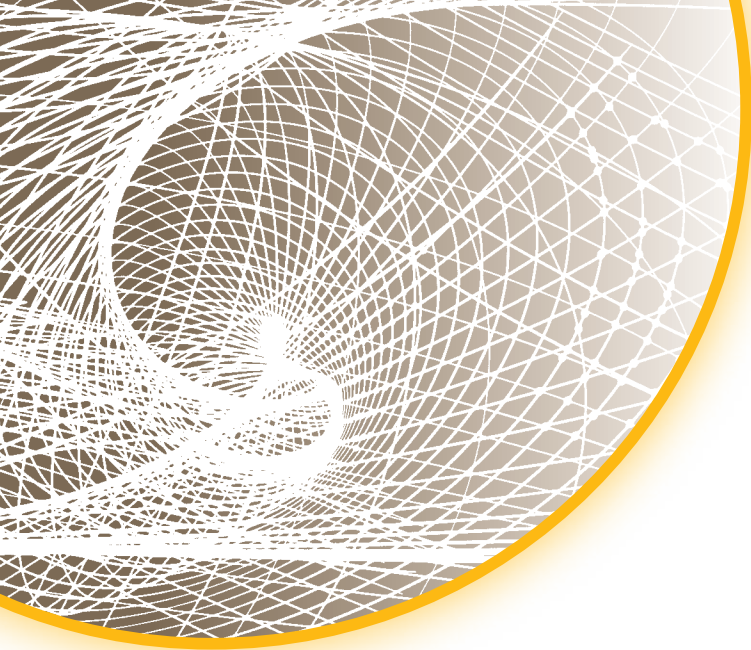


Physiologic Monitoring Systems for Life Science Research



Discover the possibilities with DSI.



First Choice Among Researchers

DSI offers complete physiologic monitoring systems that sense, transmit, acquire and report data. Each system is engineered with quality and performance you can trust.

- High-quality implants sense and transmit signals
- Accurate receivers, signal conditioners and amplifiers collect and transfer signals
- Robust software transforms signals into usable, clean, accurate data



Flexible Solutions for Research

CARDIOVASCULAR

arterial and left ventricular pressures, ECG, activity, pressure volume loop, HRV

METABOLISM

glucose, heart rate, temperature, activity

RESPIRATION

tidal volume, minute volume, respiratory rate, additional measurements

CENTRAL NERVOUS SYSTEM

EEG, EMG, EOG, video, temperature, activity

UROLOGY

bladder pressure, EMG

REPRODUCTION

intracavernosal, intrauterine pressure and EMG

OPHTHALMOLOGY

intraocular pressure

Chronic Monitoring Systems

Proven health benefits and high-quality data make telemetry the first choice for chronic physiological monitoring in a variety of animals.

- Most humane means of monitoring animals
- Stress-induced artifact is significantly reduced as animal handling is minimized
- Physiologic measurements can be obtained around the clock with no lab personnel present
- Collects data from conscious, freely moving laboratory animals
- Decreases the costs of many protocols by reducing the number of animals required

Robust Software Provides the Power

At the core of every physiologic monitoring system is a data acquisition and analysis platform. DSI provides state-of-the-art acquisition and analysis platforms designed to turn physiologic signals into usable results.

- Ponemah™: A robust, yet flexible platform for researchers seeking a comprehensive set of software tools
- NeuroScore™: The leading software for central nervous system monitoring
- FinePointe™: Powerful, easy-to-use software for collecting, analyzing, and reporting physiologic data for pulmonary research
- LabChart: Acquire and analyze DSI PhysioTel signals via LabChart from ADInstruments



PhysioTel™ Digital Large Animal Telemetry System



L21 - LARGE ANIMAL IMPLANT



MOO - LARGE ANIMAL IMPLANT



Telemetry Systems

Implantable Telemetry

Wireless implants are offered in a variety of models, shapes and sizes to optimize data collection, maximize lab space and simplify studies.

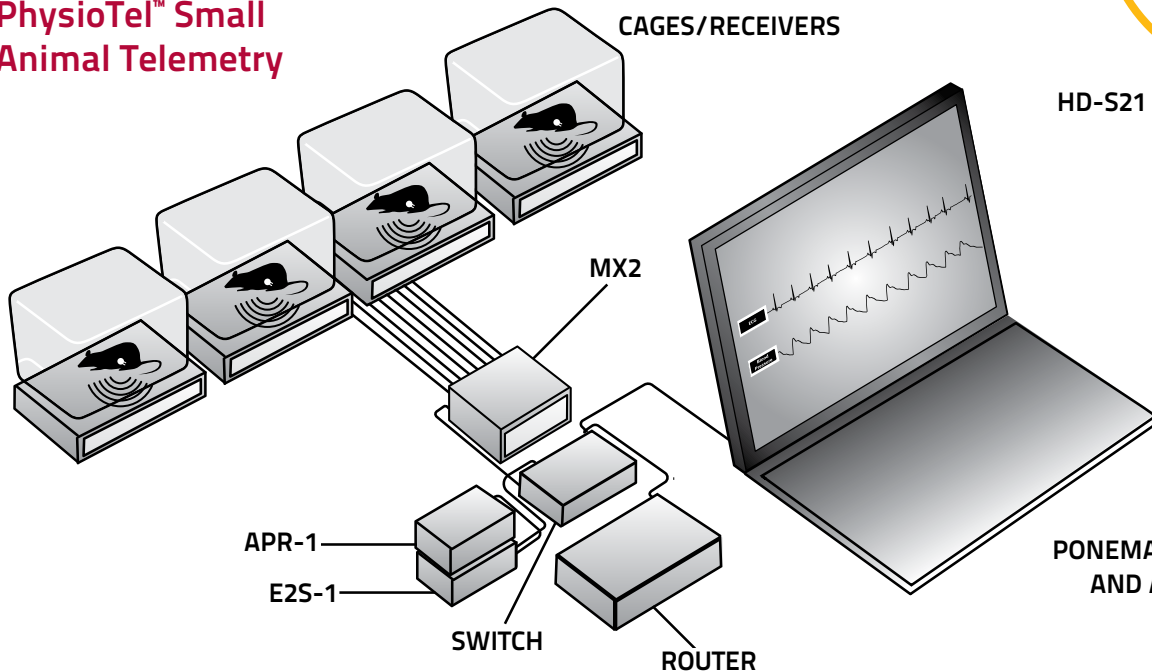
Physiologic signals measured include, but are not limited to:

- Pressures: arterial, pleural, venous, left ventricular, ocular, bladder
- Biopotentials: ECG, EMG, EEG, EOG
- Respiration
- Temperature and activity
- Blood glucose



HD-S21 - SMALL ANIMAL IMPLANT

PhysioTel™ Small Animal Telemetry



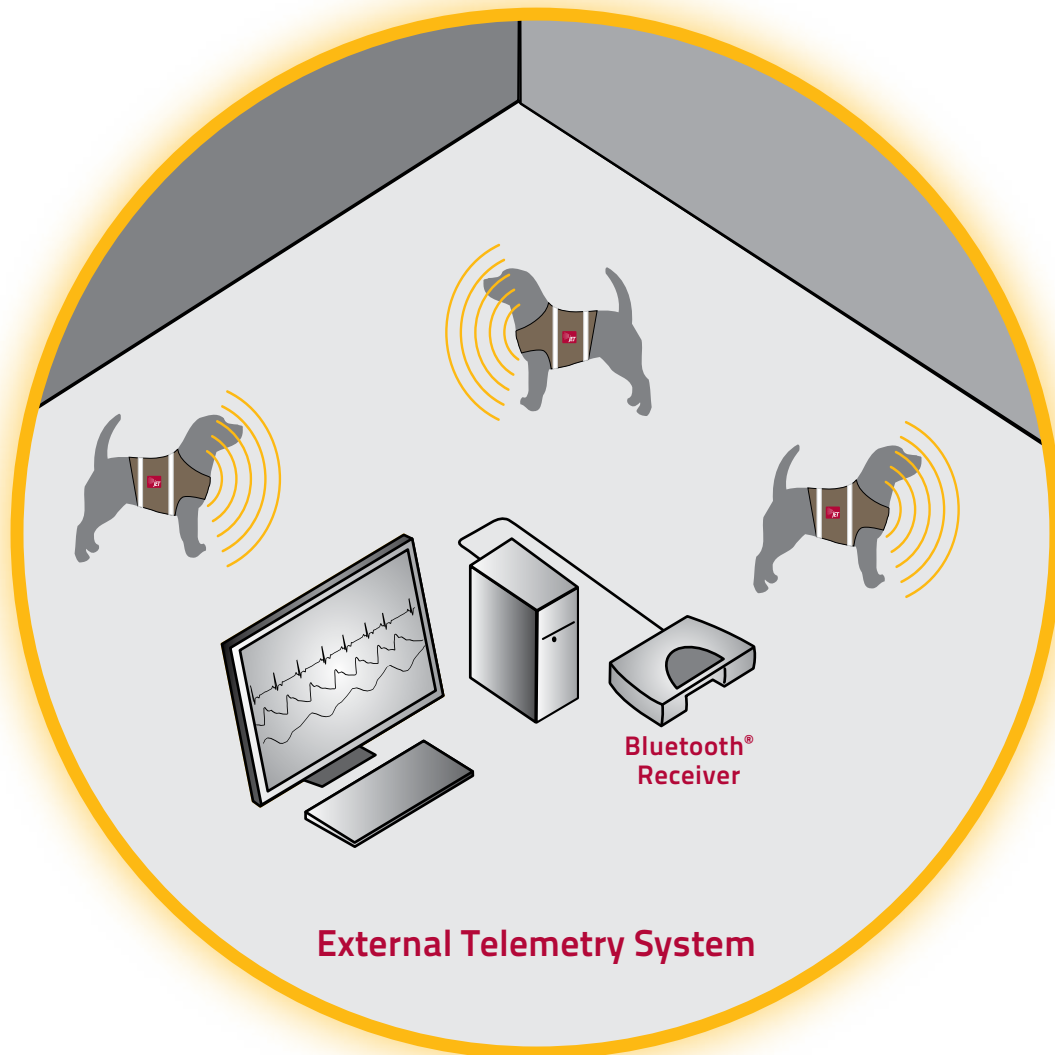
PONEMAH DATA ACQUISITION AND ANALYSIS SYSTEM

External Telemetry

Designed for large animal studies, it is capable of providing continuous, high-quality data for short or long durations. The system is easy to set up and use, offering Bluetooth® capability in a single system designed for portability.

Physiologic signals measured include:

- ECG
- Blood pressure
- Respiration
- Temperature and activity



Acute Monitoring Systems

DSI has solutions for acute or sub-chronic studies that are specifically designed for accurate, stable measurements of physiologic data.

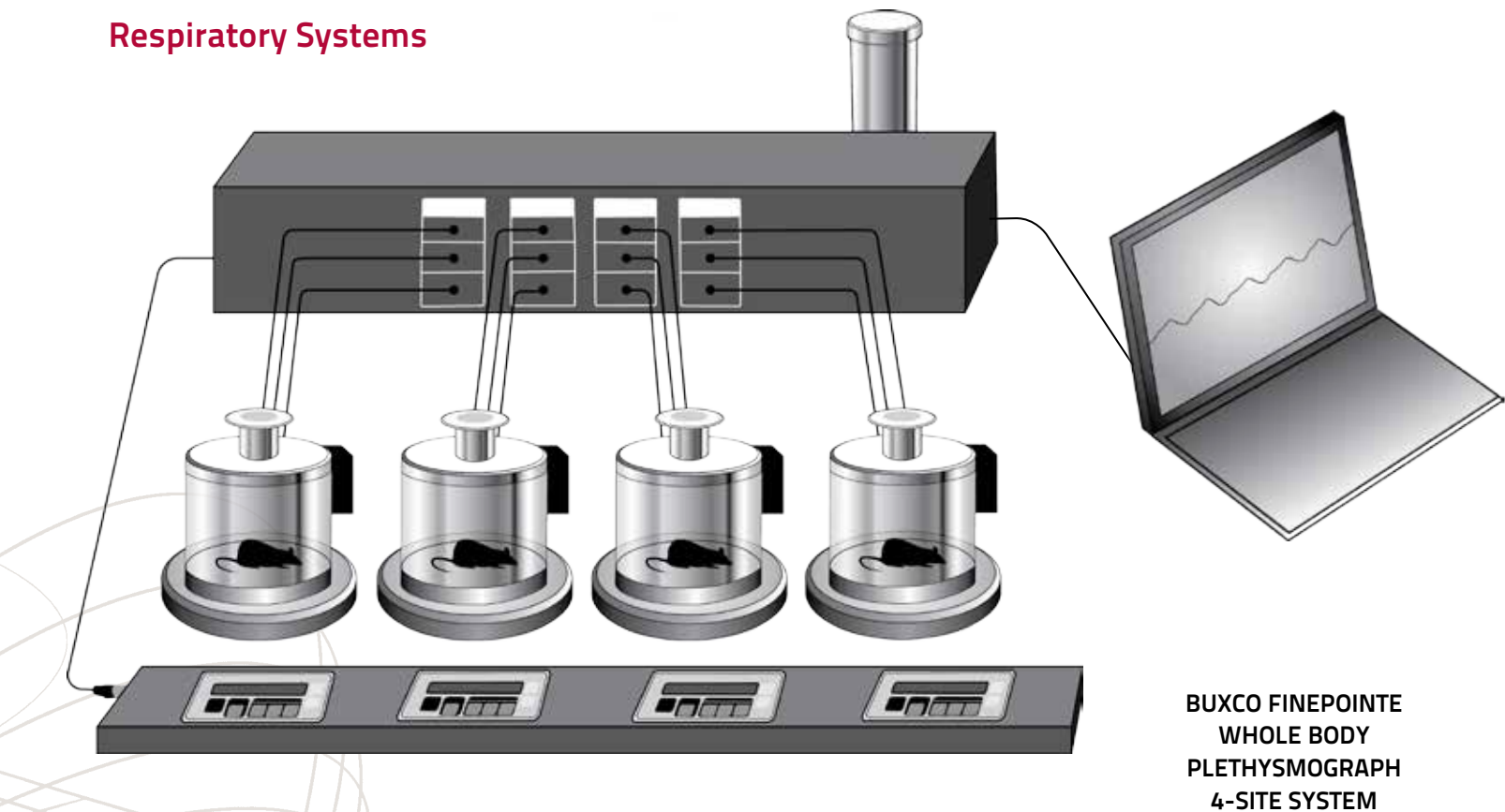
Pulmonary Solutions

- Head out plethysmography
- Whole body plethysmography
- Non-invasive airway mechanics
- Resistance and compliance
- Pulmonary function testing
- Inhalation / exposure systems

Hardwired Solutions

- Cardiovascular for 12-lead ECG recordings
- Central nervous system with high bandwidth, multi-channel EEG recordings
- Isolated organ preparations for action potential measurements
- Cardiac output for pressure volume loop analysis

Respiratory Systems



**BUXCO FINEPOINTE
WHOLE BODY
PLETHYSMOGRAPH
4-SITE SYSTEM**

Scientific Services

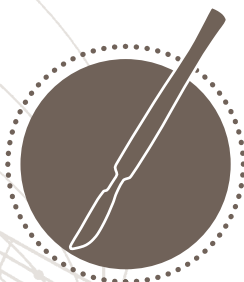
Our experienced team provides expertise you can trust.



Data services to aid in data evaluation and reporting



Validation services to ensure full software system compliance



Surgical services to help minimize surgical challenges



Technical training services to ensure successful system use

About Data Sciences International

DSI is a pioneering biomedical research company focused on preclinical systems physiology and pharmacology. The recognized global leader in physiologic monitoring, DSI offers telemetry, pulmonary solutions, software and services that facilitate accelerated, well-informed, drug therapy and development decisions. DSI serves many industries including: Pharmaceuticals, Academia, Contract Research Organizations, Biological and Chemical defense, the Medical Device Industry, Government, and Biotechnology companies. We offer solutions that are tailored specifically to meet the unique research needs of our customers.

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