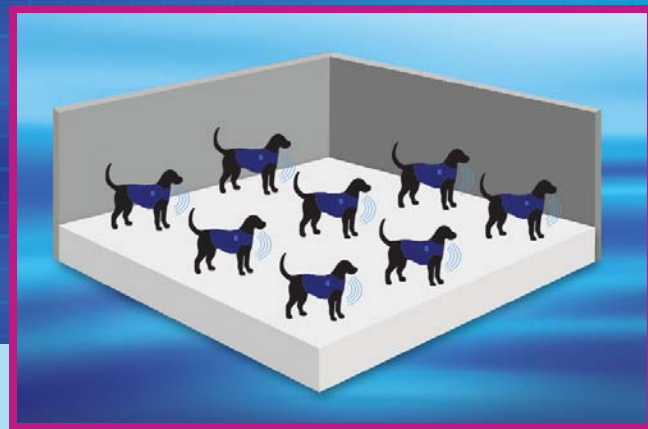


PhysioJacket
The Original Non-Invasive Telemetry System



EXTERNAL TELEMETRY SYSTEM



Capture High-Quality Signals Non-Invasively!

Case Study

When we tested PhysioJacket, we were concerned that we would not be able to have acceptable signal quality with an external system to appropriately evaluate compounds. Our testing found that the signal quality allowed us to analyze all of the major intervals of the electrocardiogram effectively. In particular, we were able to identify a very clear end of the T-wave. The multiple lead capability and the real-time signals also contribute to the flexibility and reliability of the system.

— Safety Pharmacology Group Leader
of a major pharmaceutical company

T41 Partially Invasive/Skin Button Implantable Sensors (Encoder/Multiplexer)
ID Code & 10 Channels w/Internal Battery
Case Size — 5.63" x 3.25" x 1.51"
(14.3cm x 8.3cm x 3.9cm)

Supports implanted Pressures, Biopotentials, Core Temperature, Respiration (ITP or AMECG)
3- Axis summed Activity Accelerometer

T47 Surface Sensors Only (Encoder/Multiplexer)
ID Code & 8 Channels w/Internal Battery
Case Size — 4.15" x 2.40" x 0.86"
(10.5cm x 6.1cm x 2.2cm)

Biopotentials — Multilead ECG, Multichannel EEG & EMG, Skin Temperature, Respiration (AMECG)
3- Axis summed Activity Accelerometer

T48 Surface Sensors Only (Encoder/Multiplexer)
ID Code & 5 Channels w/Internal Battery
Case Size — 2.81" x 2.2" x 0.70"
(7.1cm x 5.6cm x 1.8cm)

2 Biopotentials, Skin Temperature, Respiration (AMECG)
3- Axis summed Activity Accelerometer

The Data You Need Without an Implant

The ITS PhysioJacket is the original externally worn telemetry system. Usable for canines, primates, ferrets, swine and rodents, it remains the standard for non-invasive studies.

In many circumstances, an implanted telemetry system is either not practical or not desired, yet accurate, timely data is still needed. That's where PhysioJacket can make the difference.

The signal quality from the PhysioJacket delivers more usable — and higher quality — data than any comparable system. Why compromise?

Signal Quality

The ITS PhysioJacket has better signal quality than competing systems, allowing you to gather more data. The stronger signal also means better quality data for your analysis. There simply is no substitute for high quality when it comes to the collection of data, and the PhysioJacket wins hands-down.

Flexibility

The PhysioJacket is 100% compatible with, and shares identical technology with, the ITS total implant platform. It utilizes the same antennas, the same telemetry base station and the same CA Recorder/VR² system.

Redundancy

The PhysioJacket can provide up to six leads of ECG, providing the backup and peace of mind you need. If something should happen to one lead, you will still have data transmission. This is extremely important with active, mobile test subjects.

Real-Time

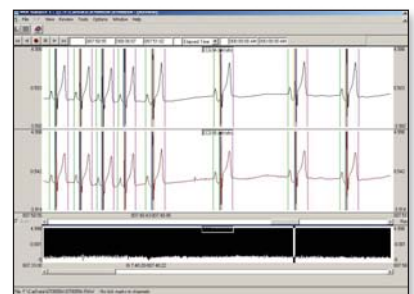
PhysioJacket allows the researcher to monitor the signals as they are coming in, helping to ensure the quality of the data being generated. If there's a problem, such as a loose lead, it can be detected right away.



Actual PhysioJacket Signals



Expected Signal Quality



Over 95% of ECGs Analyzed



The Original Jacketed Telemetry System

When the ITS group of companies first started providing telemetry in 1991, they were primarily external systems — ITS was “the original jacketed telemetry system.” Over the years, demand grew for our high-quality implantable telemetry transmitters. Now, by request, we have redesigned our external electronics, improved on their fidelity and sensor capability, and proudly unveil the new ITS PhysioJacket.

No interference, no crosstalk, no data loss — it’s an ITS system.



Relationship. Commitment. Loyalty.

From the very beginning — starting with the consultation we provide to match our system and your facility setup with your research needs, to the care we take to manufacture your custom-configured systems and provide IQ documentation for you, all the way through our on-site installation and training — we take pride in the fact that we are known throughout the industry for our exceptional level of customer support and service.

Other companies might balk at giving you the support you need. The ITS companies are relationship-based. We look upon our products and services as means to an end — providing you everything you need to do your research.

“I know I can always rely on RMISS and D.I.S.S. to give me the support I need, when I need it.”

— Jill Fogleman, Ph.D., Vice President, Toxicology & Telemetry, Calvert Laboratories

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