PAMSys™
Physical Activity Monitoring System
PAMSys™

THE GOLD STANDARD FOR PHYSICAL ACTIVITY MONITORING

PAMSys™ is a precise platform for long-term objective evaluation of physical activity during everyday life. Using PAMSys™, health scientists, physical therapists, and other health-care professionals can obtain information about:

- Posture (sitting, standing, walking, or lying down)
- Postural transitions (duration, and time of occurrence)
- Gait (duration, number of steps, cadence, and step time variability)
- Falls (number of falls and time of occurrence)

The patented PAMSys™ technology is based on over 10 years of research supported in part by the National Institutes of Health. PAMSys™ uses advanced signal processing algorithms and novel biomechanical models of human motion to identify a complete physical activity map of the user from data measured by a single, lightweight, wearable motion sensor.

QUICK FACTS

Sensor Size: 5.1 cm x 3 cm x 1.6 cm
Weight: 24 grams (0.85 oz)
Sample frequency: 40 Hz
Battery life: 200 hours (upgradeable to 340 hours)
Memory capacity: 2 GB (80 days of data)
Data transfer: PAMSys™ USB dock
PAMWare™

PAMWare™ is a Windows and Mac compatible software package that allows visualization and post-processing of data measured using PAMSys™ sensors. PAMWare™ provides a user-friendly environment for data storage and analysis, whether you are tracking your own data or managing data from a group of patients.

PAMSys™ OPTIONS:

PAMSys-X™: Synchronized monitoring of multiple body segment movements (e.g., shoulder, lower limb).

PAMSys-ECG™: Synchronized long-term co-monitoring of physical activity, heart rate, and heart rate variability using a 3-lead electrocardiogram.

PAMSys™ with GPS: Synchronized monitoring of physical activity and GPS signal.

PAMSys™ with Gyroscope: Synchronized monitoring of physical activity and continuous tri-axial accelerometer and tri-axial gyroscope data.

CUTOMIZED SOLUTIONS AND MORE INFORMATION

For more information about the PAMSys™ platform, examples of its clinical applications, and a selected list of clinical and research publications involving PAMSys™ please visit: www.biosensics.com
To discuss custom sensor solutions or for more information please contact us at info@biosensics.com or 1.888.589.6213.
DISCLAIMER:
PAMSys™ is neither offered, marketed, nor intended for use as a “medical device,” as defined by the U.S. Food and Drug Administration’s regulations. PAMSys™ is not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, in man or animals. PAMSys™ is intended and marketed solely for use in research settings. You must consult a qualified physician or health-care professional before using PAMSys™. Before use, please also consult the instructions and warnings supplied with PAMSys™. The PAMSys™ platform and algorithms for physical activity classification and automatic fall detection are protected by U.S. Patent No. 8,206,325 and other patents pending. Developed and designed by BioSensics in Massachusetts. Assembled in the USA.

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