



BioSensics™
Innovative Research Realized

LEGSys™

A Wearable Sensor System for Gait Analysis



LEGSys™

FAST, EASY, AFFORDABLE, AND PORTABLE GAIT ANALYSIS

- Quantitative gait analysis in 5 minutes or less without the restraints of a gait laboratory
- Easy & accurate fall risk assessment
- Automatically generated reports demonstrate patient progress toward measurable goals
- Proprietary technology based on wireless wearable sensors that are portable and easy to use
- Validated using state-of-the-art camera-based motion capture

LEGSys™ FEATURES

FALL RISK ASSESSMENT: After a quick walking test LEGSys™ provides a readout of the patient's likelihood of falling in the next year based on published clinical data.

TIMED UP AND GO (TUG): LEGSys™ computes and charts the duration of each phase of a TUG test, including stand, walk out, turn, walk back, and sit.



QUICK FACTS

Sensor Size: 5.0 cm x 4.2 cm x 1.2 cm

Weight: 19 grams (0.67 oz.)

Sample frequency: 100 Hz

Battery life: 4 hours of continuous data collection

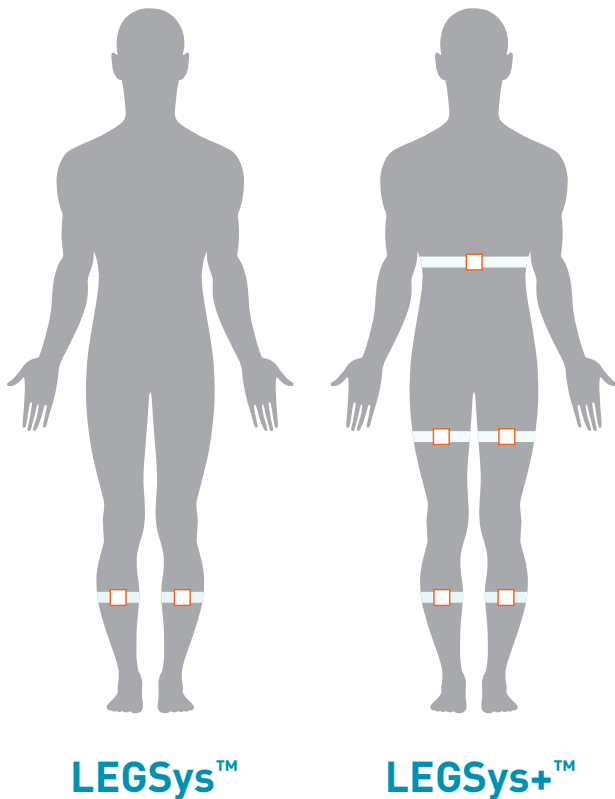
Memory capacity: 4 hours of data storage

Data transfer: Bluetooth Class 1



LEGSys™ OR LEGSys+™

Upgrade to LEGSys+™ for full lower-limb motion capture including sagittal plane knee and hip angles, as well as superior-inferior and medial-lateral pelvis sway.



TECHNOLOGY COMPARISON		
	LEGSys™	LEGSys+™
No. of Sensors	2	5
Temporal Gait Parameters	●	●
Spatial Gait Parameters	●	●
Knee and Hip Angles	○	●
Pelvis Movement	○	●
Android Compatible	●	○

EVOLVE YOUR PRACTICE WITH LEGSys™:

CONVENIENCE: LEGSys™ is easily portable and can be set up and utilized anywhere. Conduct gait tests at your office, in patients' homes, or anywhere in between.

ACCURACY: LEGSys™ gait analysis algorithms have been validated and used in many clinical studies. Contact Info@BioSensics.com for more information.

VALIDITY: Illustrate to patients, as well as to insurance providers, the efficacy of your practice and the progress your patients are making with easy to interpret, measurable results.

REIMBURSABLE: LEGSys™ can be used as a part of reimbursable procedures under the following CPT codes: 97110, 97112, 97116, 97750, 97760, and 97761.

DISCLAIMER:

You must consult a qualified physician or health-care professional before using LEGSys™. Before use, please also consult the instructions and warnings supplied with LEGSys™. The LEGSys™ platform and algorithms for gait parameter measurement are protected by U.S. Patent No. 8,109,890, European Patent No. 1,511,418, and other patents pending. Developed and designed by BioSensics in Massachusetts. Assembled in the USA.



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