

# BTS G-WALK

Complete solution for the evaluation of the spatial-temporal gait parameters



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### BTS G-STUDIO

Is an easy-to-use but complete software for the analysis of spatial-temporal gait parameters and pelvic kinematic parameters. It includes normative data for all the acquired parameters.

BTS G-WALK is the ideal solution to treat pathologies related to gait disorders. It is suitable for a wide range of applications: assessment, prevention, diagnosis and follow-up of rehabilitative, orthotic or pharmacological interventions.

BTS G-WALK consists of a wireless system of inertial sensors that, when positioned on L5 vertebrae of the spine, it allows for a functional objective gait analysis that provide to the specialist accurate, objective and quantitative data.

It is very intuitive and easy to use: the tests are quick to execute and do not require any preparation of the subject and the report is generated completely automatically.

### Spatial-temporal parameters analysis

The system calculates all the spatial-temporal gait parameters that are a powerful and easy-to-use tool for the functional evaluation of neurological and orthopedic patients, allowing the objective analysis of motor capabilities and treatment results.

### Pelvic kinematic analysis

The system provides also some kinematic gait parameters. In particular it provides information about antero-posterior rotations, anti-retroversion, and lateral tilt of the pelvic girdle.

### Comparison with normative data

It includes normative data for an automatic comparison of acquired parameters with 'normal' data allowing immediate visual results showing the difference between the patient and the average.

### Evaluation Test

BTS G-WALK includes Walk L5, protocol validated by the scientific community for the analysis of the gait.

Moreover the following test are available in option:

- Tired Up and Go Test
- 6 Minutes Walking Test
- Free Test

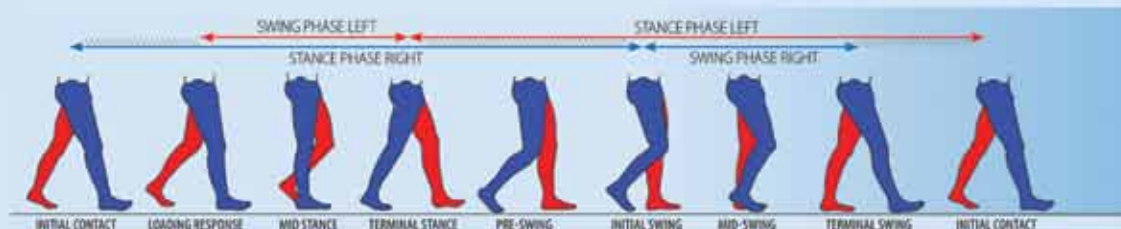
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IT'S FAST

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### Components and accessories

	Std. Equipment	Add-on
1 wireless inertial sensor	●	
Belt with pocket for the sensor positioning	●	
Transport bag	●	
Pre-configured ready to use workstation		●
BTS G-STUDIO software	●	
G-WALK protocol	●	
Additional analysis protocols		●
Up to 2 webcam for video recording		●

### Technical features\*

Dimensions	78x48x20mm
Weight	62gr
Sensors typologies	Tri-axial accelerometer with multiple sensitivity (±1,5g,±6g) Tri-axial magnetometer Tri-axial gyroscope with multiple sensitivity (±300gpps;1200gpps)
Battery	rechargeable via USB 18/24 hours of autonomy
Connectivity	Bluetooth™
Frequency	up to 200Hz
Working	real-time