



MOTUS IS YOUR PROFESSIONAL SYSTEM FOR GAIT ANALYSIS AND MEASUREMENT OF PLANTAR PRESSURE DISTRIBUTION.

IT IS DESIGNED FOR PROFESSIONAL USE IN ORTHOPEDICS OR IN SPORTS TRAINING AS WELL AS IN CLINICAL CARE AND RESEARCH.

TECHNOLOGY

All high-tech components are completely integrated into the shoes. Advanced sensors, microprocessors and wireless module are fully tailored for the best performance.



SPECIFICATIONS

PRESSURE SENSORS	- - - - -	5 pressure sensors per shoe ~ 50% coverage of the insole surface
INERTIAL SENSORS	- - - - -	IMU platform (MEMS) 3D accelerometer 3D gyroscope 3D magnetometer
TRANSMISSION	- - - - -	Bluetooth low energy 4.2
SAMPLING RATE	- - - - -	50-100hz
OPERATING TIME	- - - - -	48 h
POWER SUPPLY	- - - - -	Rechargeable battery Lipo
AVAILABLE STANDARD SIZE	- - -	38 to 53 UE
GENERAL INFORMATIONS	- - -	Automated data analysis by standard reports Electronic and sensors completely integrated in the shoes

FUNCTIONALITY

The shoes can be controlled completely wireless using a smartphone. No external devices are needed. Hence, the subject is not affected in movement execution and can move freely and independently even for several days.

Continuously collected measurement data can be exported with the Motus Software as raw data

Wireless control via Bluetooth from Smartphone

Can easily be integrated into your processes due to the intuitive and simple operation

Completely mobile measurement of static and dynamic foot characteristics, realistic analysis of the functional unit foot and shoe due to precise sensor insoles, independently audited

