F-Scan™ GO

In-Shoe Foot Function & Gait Analysis System

F-Scan GO is the next generation of the F-Scan In-Shoe Pressure Measurement system. The F-Scan In-Shoe system provides dynamic pressure, force and timing information for foot function and gait analysis. Information obtained from the F-Scan is used in real-world applications, like designing and testing orthotics, offloading diabetic feet and evaluating footwear and techniques in elite athletes.

The new F-Scan GO system features completely cordless electronics and sampling rates up to 500 Hz over Wi-Fi, with additional onboard SD card storage for extended range.

5 Reasons to Choose F-Scan GO for your In-Shoe Foot Function and Gait Analysis needs:

Freedom of Movement

Lightweight, cord-free, wearable electronics with onboard storage encourages and preserves natural movement.

Unique Information

The highest resolution sensors available provide accurate in-shoe measurements. Having the ability to compare peak pressures before and after orthotic intervention greatly enhances the efficacy of treatment.

Best-In-Class Sensors

Tekscan sensors are the thinnest, and the highest-resolution sensor on the market today. Only Tekscan offers trimmable sensors which can be perfectly sized for an unhindered fit of any shoe or foot, ensuring that data capture is complete and accurate.

Powerful Software Analysis

F-Scan GO is powered by FootVIEW software. FootVIEW is part of the redesigned Tekscan software family, featuring a modern interface that simplifies data collection and analysis. FootVIEW provides a user-friendly layout using docking regions that allows the user to easily organize and present information in a single dashboard.

Versatile

The versatility of F-Scan GO makes it the preferred choice for use in applications that are central to Biomechanics research. It is highly portable and can be used in almost any environment, its data can be easily exported, and it synchronizes with external devices; such as EMG and Motion Capture, through external trigger input controls.

Key Applications

Research

Biomechanics researchers have come to trust Tekscan to deliver accurate and reliable in-shoe force and pressure measurement systems and data to suit a limitless range of dynamic applications. Countless research-validated studies support this fact; and the development of F-Scan GO continues Tekscan's position as a true leader in the field of in-shoe gait analysis.

Gait Analysis and Lower Extremity Function

F-Scan GO is a useful tool for diagnosing pathologies; and evaluating the effect of offloading treatments, footwear modifications, and physiological changes, such as joint manipulations. In many cases, it is an invaluable aid in treating patients as they search for solutions to help alleviate their pain.

Orthopedics, Physical Therapy and Rehabilitation

An objective, reliable tool for PT and Rehab professionals to measure patient progress and help them understand their pathologies and treatment. Additionally, F-Scan GO can differentiate a practice and increase revenue.
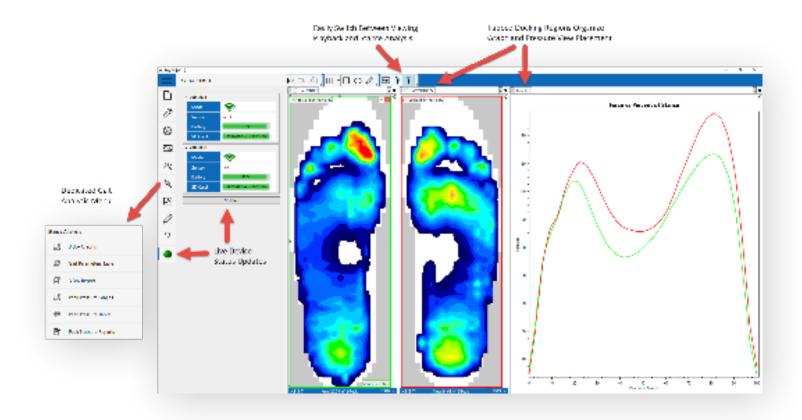
Wound Care

Tekscan pressure analysis systems are used extensively by pedorthists, podiatrists and others working in the field of diabetic care. F-Scan GO is a critical tool that assists in the management of in shoe pressure to treat and prevent diabetic ulcers – primarily through the use of designing, manufacturing and modifying orthotics.
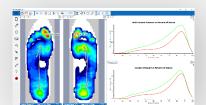
Sports Medicine and Performance

In-shoe gait analysis systems provide an accurate, objective way to capture baseline information, evaluate the effectiveness of strength and conditioning programs, track progress over time and develop injury prevention programs. F-Scan GO is ideal for these applications as it offers complete freedom of movement, a faster scan rate (500 Hz), and the ability for data logging.

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FootVIEW Software

Modernized interface streamlines data collection and analysis, especially for the Biomechanics research user.
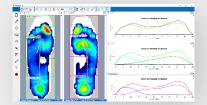

Peak Pressure Analysis

- Identifies and quantifies the peak pressure areas

- Confirms the efficacy of offloading treatments

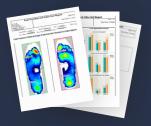- Generates a report showing before and after comparison

3-Box Analysis

- Automatically segments the foot into heel and forefoot regions

- Easily display force curves to measure symmetry and timing of foot function

- Export to customizable, printable report templates for documentation and patient education

Automated Analysis with Reports

- Center of Force Trajectory

- Real-time status view of TekDAQ devices

- Wi-Fi enabled communication and control for TekDAQ devices

- ASCII Export of pressure and graph data for analysis

- Optional Data Reader Toolkit library for direct integration with external software for analysis of recorded data

- Synchronization with external devices through external trigger input controls

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Technical Specifications

The F-Scan GO system consists of:

- **FootVIEW Software**
- **(2)** F-Scan GO TekDAQ wearable Wi-Fi data acquisition units
- **(2)** Removable rechargeable battery packs
- **(2)** Battery Chargers
- **(2)** 32GB formatted Micro-SD cards
- **(2)** Velcro ankle bands
- **(20)** Trimmable model 3010 F-Scan GO sensors (10 pairs)

Sensor	
Max. # of Sensels	Up to 966
Sensor Thickness	0.28 mm
Resolution	3.9 per cm2 / 25 sensels™ per in2
Pressure Rating	125 PSI / 862 kPa
Sensitivity Adjustment	+/- 3x Adjustment of Pressure Rating
Sensor Sizes	Trimmable Sensors: Ranging from Men's 14 (USA) - Smallest size Girls Size 2

Electronics	
Included	2 TekDAQ Wi-Fi Data Collection Units
Max Scan Rate	500 Hz
Weight	266g / 9.4 oz (133g / 4.7 oz per leg)
Onboard Storage	32 GB – Expandable with Micro SD
Battery Life	2 Hours
Software	FootVIEW

Tekscan™

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Contact us for more information.