

THE F-SCAN™ IN-SHOE SYSTEM

The F-Scan™ is an in-shoe pressure measurement system that provides useful information for diagnosing pathologies, evaluating treatments, and educating patients or assessing subjects. F-Scan is...



- **Accurate and reliable** – validated by leading researchers for a variety of applications.
- **Portable** – collect data in virtually any environment.
- **Versatile** – integrates with other gait lab technology, such as EMG and motion capture systems.
- **Best-in-class for profiling anatomical landmarks** – high resolution, ultra-thin sensors provide objective in-shoe measurements.
- **Optimized for sports testing** – small, lightweight electronics, wireless and datalogger options and fast scan rates, so you don't miss a thing.

SENSORS GUIDE AND SPECIFICATIONS

Sensors	Standard	Long-Handle	Sport	XL
Insole Size	Up to 14 Mens (US)	2 VersaTek Cuffs 1 VersaTek Wireless Unit	2 VersaTek Cuffs 1 VersaTek Datalogger Unit	Up to 24E Mens (US)
Thinness	0.15 mm / 0.007 in	Up to 100 Hz	Up to 750 Hz	0.406 mm / 0.016 in
Technology	Resistive			
Resolution	3.9 per cm ² / 25 sensels™ per in ²			
Pressure Range	50-75 PSI / 345-517 kPa (sensitive) to 125 PSI / 862 kPa (standard)			

All sensors should last approximately 5-15 trials, depending on the application. (This assumes more vigorous usage for the Sport sensor, such as running, jumping, etc.)

SYSTEMS GUIDE AND SPECIFICATIONS

Systems	Base (tethered)	Wireless	Datalogger	Wireless/Datalogger Unit
Electronics Included	2 VersaTek™ Cuffs VersaTek 2-Port Hub	2 VersaTek Cuffs 1 VersaTek Wireless Unit	2 VersaTek Cuffs 1 VersaTek Datalogger Unit	Size: 4.20 x 3.75 x 1.50 in (10.7 x 9.5 x 3.8 cm)
Scan Rates	Up to 750 Hz	Up to 100 Hz	Up to 750 Hz	Weight: 322 g / 11.4 oz (with belt & battery)
Max Distance from PC	15 M / 50 ft standard, Up to 30.5 M / 100 ft available	Up to 100 M / 328 ft	Unlimited	Battery Life: Up to 2 hours recording
Connection	USB	Wi-Fi	Upload via USB	
Power	0.35 A, 100 - 240 VAC, 50 - 60 cycles	Li-Ion Battery, 8V / 2400 mA-Hr	Li-Ion Battery, 8V / 2400 mA-Hr	

1. The F-Scan Wireless/Datalogger system includes 2 VersaTek Cuffs and 1 wireless/datalogger unit with both Wi-Fi capability and memory stick.
2. Standard CAT5E cables connect the Cuff to the wireless/datalogger Unit.
3. Scan rates when using XL Sensors are 529 Hz (tethered), 58 Hz (wireless), and 446 Hz (datalogger).

GAIT ANALYSIS SOFTWARE

Tekscan's advanced, proprietary F-Scan software helps you analyze data in a variety of ways. The software is available in two versions – Clinical (base) and Research (additional cost).

SOFTWARE

	Clinical (base)	Research
NEW – Automated Peak Pressure Analysis with Report	X	X
NEW – Automated 3Box Analysis with Report (foot segmentation)	X	X
Pressure profiles (visual pressure distribution)	X	X
Force vs. Time Graphs	X	X
Patient Database	X	X
Side-by-side comparison for pre- and post- recordings	X	X
Export recordings as an AVI file	X	X
External triggering and data synch		X
Export data as an ASCII file		X
View and graph data as an integrated MS Excel table		X
Delayed Recordings		X
Support 2 Wireless/Datalogger Units		X
Additional calibration points		X
Multi-point equilibration		X

COMPUTER REQUIREMENTS

All Tekscan software works with current Windows based operating systems. To view the complete computer requirements, visit: www.tekscan.com/computer-requirements.

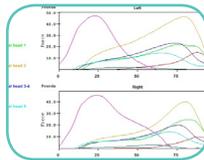
OPTIONAL ADD-ONS

Research Software

Tekscan Patient			
	Left	Right	R-L Diff
1. Gait Cycle Time	209	200	0
2. Stance Time	70	66.4	-3.5
3. Swing Time	90	33.6	3.5
4. Single Support Time	34.5	32.5	-1.9
5. Initial Double Support Time	15.8	17.4	1.6
6. Terminal Double Support Time	17.8	15.4	-2.4
7. Total Double Support Time	33.5	32.8	-0.8
8. Heel Contact Time	48	43.5	-4.5
9. Foot Flat Time	38.5	32.7	-5.8
10. Midstance Time	33.4	20.5	-12.9
11. Propulsion Time	22.9	24.4	1.5
12. Active Propulsion Time	7.7	8	0.2
13. Passive Propulsion Time	15.2	16.4	1.2

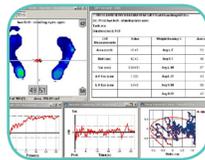
Additional software features to aid with research and analysis

Timing Analysis Module™ (TAM)



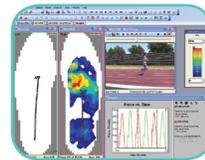
Provides timing parameters for more extensive gait analysis

Sway Analysis Module™ (SAM)



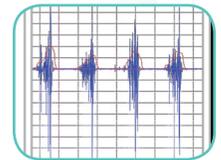
Evaluates balance and sway

Video Synchronization™



Facilitates synchronization with basic video for coordinated playback

Trigger Transmitter & Trigger Receiver



Provides remote triggering capabilities for Wireless and Datalogger systems

Specifications subject to change.

 **CALL TODAY FOR A DEMONSTRATION!**