F-Scan64™ In-shoe System

F-Scan64 is a fully-wireless in-shoe system with micro-sized electronics for quick and natural gait analysis for clinical researchers. The Bluetooth™ enabled system works with compact cuffs attached to the shoelaces or tongue area connected to pre-sized in-shoe sensors. It provides essential gait analysis parameters like pressure and force data, timing parameters and Center of Force (CoF) data.

- **Plug & Play System** – Begin collecting data in 3 minutes or less!
- **Freedom of Movement** – Cord-free, compact system encourages natural gait.
- **Educational Gait Reports** – Visual peak pressure and gait reports can encourage patient compliance.
- **Gait Expertise** – Tekscan has decades of experience developing gait technology.

Sensor Specifications

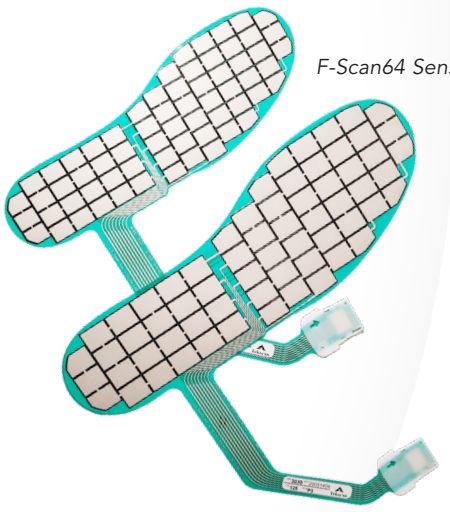
Technology:	Resistive
# of Sensels:	64
Thinness:	0.3 mm (0.012 in.)
Pressure Range:	Sensitive = 50-75 PSI / 345-517 kPa
	Standard = 125 PSI / 862 kPa

Sensor Sizing Guide

Tekscan Sensor #	EU Size	Men's US Size	Women's US Size
3020	36/37	n/a	5.5 - 6.5
3022	38/39	6 - 7	7 - 8.5
3024	40/41	7.5 - 8.5	9 - 9.5
3026	42/43	9 - 10	10 - 11
3028	44/45	10.5 - 11	11 - 12
3030	46/47	11.5 - 12.5	n/a

System Guide & Specifications

Electronics Included:	(2) F-Scan64 Cuffs
	Micro-B to -A USB Charging Cables
	(2) Universal Power Supplies
	(1) Bluetooth™ Dongle
Scan Rates:	Up to 100 Hz
Max Distance to PC:	Up to 10 m (30 ft.)
Connection:	Bluetooth™
Power Supply:	115 - 230 VAC, 50 - 60 Hz, and Max Current 200 mA
	Interchangeable AC blades for North America, Europe, United Kingdom, Australia, and China



F-Scan64 Sensors

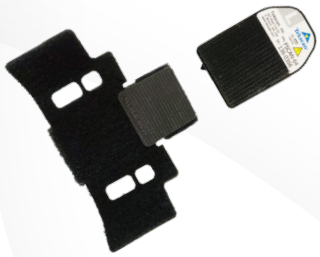
Tekscan™

F-Scan64 Cuff Specs

Size (L x W x H): 57.4 x 36.3 x 16.0 mm
(2.26 x 1.43 x 0.63 in.)

Weight: 27 g

Battery Life: 90 minutes (usage dependent)



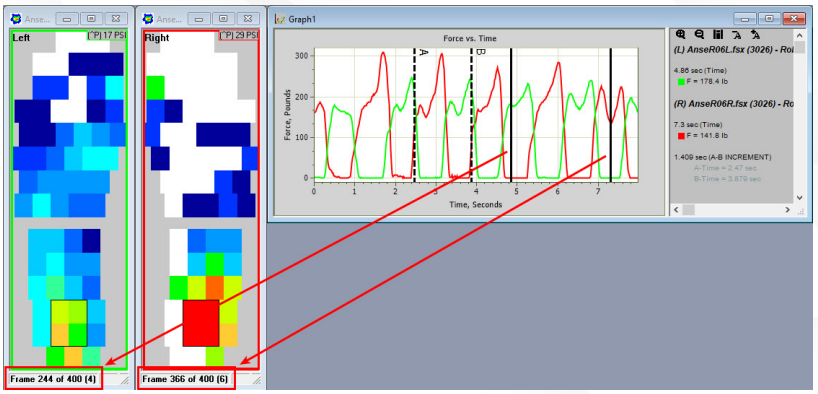
F-Scan64 Cuff Components

F-Scan64 Cuff Fully-Assembled

Gait Analysis Software

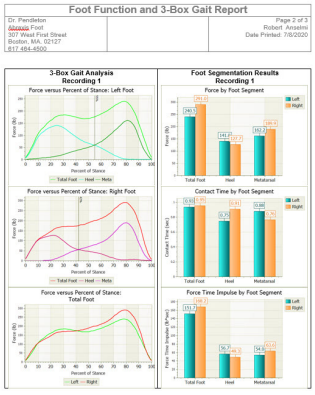
Get the essential parameters for gait analysis with F-Scan64 software. Below is a summary of the software features included:

- Pressure and force data
- Center of Force
- Timing parameters:
  - Cadence
  - Step time
  - Stride time
  - Stance time
  - Swing time
- 3-Box and Peak Pressure Reports
  - Segment the foot for deeper analysis
  - Isolate areas of highest pressure
- ASCII data output
- Side-by-side comparison for pre- and post-recordings
- Patient database

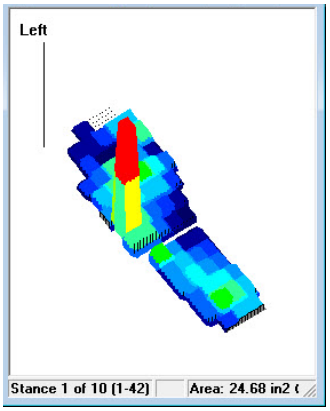


Analyze pressure and force data, frame-by-frame

	A	B	C	D	E	F
26	START_FRAME 1					
27	END_FRAME 400					
28	COMMEN Time		(Absolute Time)	Row (in)	Col (in)	Raw Sum
29	ASCII_DATA @@					
30						
31	1	0	6.79	1.7	11232	
32	2	0.02	6.68	1.7	11536	
33	3	0.04	6.65	1.7	11392	
34	4	0.06	6.57	1.7	11392	
35	5	0.08	6.49	1.71	11440	
36	6	0.1	6.44	1.7	11504	
37	7	0.12	6.4	1.71	11552	
38	8	0.14	6.36	1.71	11680	
39	9	0.16	6.31	1.72	11728	
40	10	0.18	6.25	1.71	11680	
41	11	0.2	6.2	1.72	11616	
42	12	0.22	6.14	1.72	11728	
43	13	0.24	6.15	1.72	11648	
44	14	0.26	6.16	1.72	11744	
45	15	0.28	6.14	1.74	11872	
46	16	0.3	6.17	1.73	11904	
47	17	0.32	6.19	1.74	11856	
48	18	0.34	6.24	1.73	11776	



Multiple reporting formats, including ASCII



View in 2-D and 3-D Contours

Computer Requirements

F-Scan64 requires a Windows® 10, and is only compatible with 64-bit operating systems. To view the complete computer requirements, visit: www.tekscan.com/computer-requirements.

Call Today for a Demonstration!

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