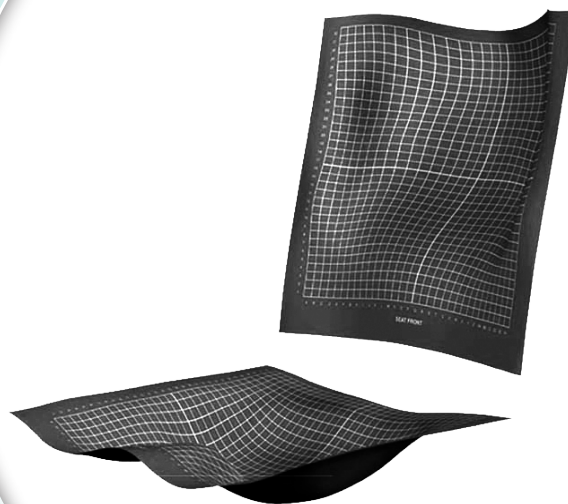# CONFORMat™

Seating & Positioning System

Tekscan system consists of scanning electronics, software, and patented thin-film sensors. CONFORMat Evolution® system shown in the above image.

CONFORMat™ provides accurate, reliable data on pressure distribution and Center of Force (CoF) data to help optimize seating and positioning for each individual patient. The specially designed flexible CONFORMat sensor conforms to the patient and support surface interface to ensure accurate pressure measurement. CONFORMat is…

- **Accurate and reliable** – validated by leading researchers for a variety of applications.

- **Best-in-class for profiling anatomical landmarks** – unique, flexible sensor conforms to the natural curves of the body and support surfaces.

- **Fast and easy to use** – clear, color-coded software images show pressure distribution changes in real time.

- **Cost-effective** – a simple pressure mapping exam can help prevent pressure ulcers in your patients, saving money and avoid unnecessary pain and suffering.
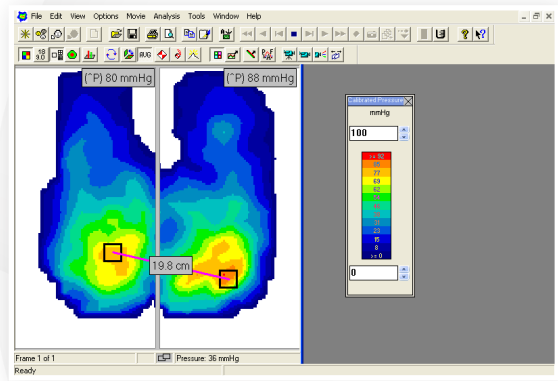
Selection Guide and Specifications

The CONFORMat system is configurable based on your application requirements.

	Base (tethered)	Wireless	Datalogger
Sensor Model	5330	5330E	5330E
Sensor Technology	Resistive	Resistive	Resistive
Resolution	0.5 sensels per cm² (3 sensels™ per in²)	0.5 sensels per cm² (3 sensels™ per in²)	0.5 sensels per cm² (3 sensels™ per in²)
Number of Sensels	1,024	1,024	1,024
Active Sensing Area Dimensions	47.14 x 47.14 cm (18.56 x 18.56 in)	47.14 x 47.14 cm (18.56 x 18.56 in)	47.14 x 47.14 cm (18.56 x 18.56 in)
Pressure Range	5 psi/ 35 kPa	5 psi/ 35 kPa	5 psi/ 35 kPa
Electronics Included	Evolution® or VersaTek®	1 VersaTek Cuff 1 VersaTek Wireless Unit	1 VersaTek Cuff 1 VersaTek Datalogger Unit
Max Scanning Rates	Up to 100 Hz	Up to 100 Hz	Up to 100 Hz
Max Distance from PC	4.5 M/15 ft (Evolution) 9.1 M/15 ft (VersaTek) (Up to 30.5 M/100 ft available)	Up to 100 M/328 ft	Unlimited
Connection	USB	Wi-Fi	Upload via USB
Power	Host Computers USB BUS	Li-Ion Battery, 9V / 2400 mA-Hr	Li-Ion Battery, 9V / 2400 mA-Hr

Wireless/Datalogger Unit	
Size	10.7 x 9.5 x 3.8 cm (4.20 x 3.75 x 1.50 in)
Weight	322 g/11.4 oz (with belt & battery)
Battery Life	Up to 2 hours recording

When you choose a system that uses VersaTek electronics, it is possible to share electronics for other Tekscan systems to reduce your costs.

CONFORMat Software

The CONFORMat software easily identifies high pressure areas (in red), displays peak pressure (as indicated by the ^P on the screenshot to the right), and provides pressure scale with a color legend. Pressure on the individual sensels can also be assessed numerically (box inset) with exact values.

Software Features

	Clinical	Research
Display contact area, average and peak pressures	X	X
Display center of force and CoF trajectory	X	X
Pressure Profiles (visual pressure distribution)	X	X
Display 2D and 3D real-time and recorded data	X	X
Side-by-side comparison for pre-and post-recordings	X	X
View data frame by frame	X	X
Isolate and analyze specific regions	X	X
Measure the distance between two points	X	X
Import and export subject movie files	X	X
Export recordings as an AVI file		X
Export data as an ASCII file		X
External triggering and data synch		X
Additional calibration points		X
Display graphs (Force vs. Time, Peak Pressure vs. Time, Contact Area vs. Time)		X
Save displayed frame as a *.jpg image		X
Additional objects available for custom shaped boxes and irregular shaped objects (up to 12 boxes and lines available) providing for more and detailed segmentation		X

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** – Additional software features to aid with research and analysis.

- **Save as AVI** – Converts your Tekscan movies (in .fsx format) to digital video (.avi). (Included in Research Software, can be purchased as an add-on for Clinical Software).

- **Video Synchronization** – Combine your real-time pressure data with live video.

- **External Trigger Synch** – Coordinate the operation of other products with your Tekscan System. (Included in Research Software, can be purchased as an add-on for Clinical Software).

Tekscan™

Specifications subject to change.

> CALL TODAY FOR A DEMONSTRATION!

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