

The CONFORMAT® system enables for optimization of seating, cushioning, and positioning solutions through a better selection of support surfaces. Utilizing new sensor technology which conforms to complex, contoured and deformable support surfaces like seat cushions, the sensor will not capture pressure artifacts, only the loaded area. The sensor mat design eliminates sensor hammocking while it conforms to the surface resulting in the most true and accurate pressure data.

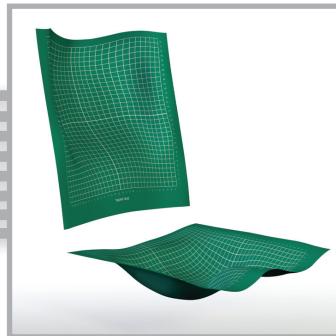
The system includes research software, thin film sensors (mats), and a one-piece USB data acquisition electronic interface which allows for easy control of the software and is extremely portable.

1. Connect



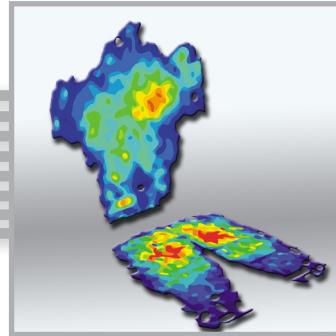
USB Compatible

2. Conform



True Measurement

3. Capture



Accurate Pressure Map

KEY FEATURES

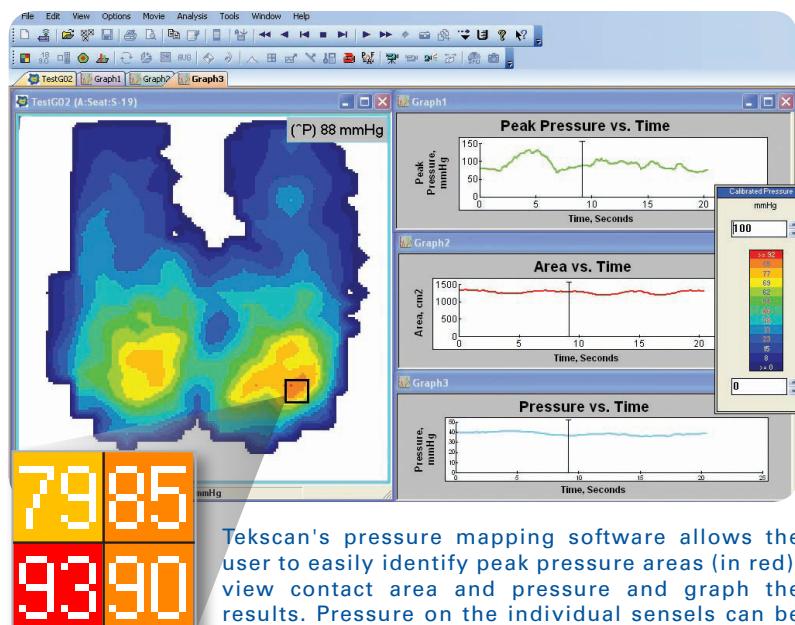
- Fully conforming sensor avoids hammocking or measurement of artifact
- USB connectivity to your computer
- Fast (100 Hz) sensor scanning
- Accurate, repeatable measurements
- Real-time display of sensor data
- Recording & playback of dynamic pressure images
- Graphing and data analysis capabilities
- Durable & reusable sensors
- High spatial resolution
- Easy to set-up & portable

APPLICATIONS

- Comfort testing and analysis
- Support surface design:
 - Shape
 - Contours
 - Dimensions
 - Firmness & padding
- Automobile seat design
- Material testing
- Durability & longevity
- Ingress/egress studies
- Seating and positioning research
- And much more!

KEY SOFTWARE FEATURES

- Display real-time and recorded data as 2-D and 3-D images
- Capture dynamic pressure events
- Play-back pressure "movies"
- Display data frame-by-frame
- Graph and analyze real-time or stored data (Pressure, Force, Area)
- Isolate, compare and analyze data from different locations on the sensor
- Display Center of Force and its trajectory
- Display peak pressure image
- View and compare multiple test results simultaneously
- Ability to attach a digital image to each frame of a Tekscan movie
- Export data files in ASCII format
- Save data files as AVI movies
- Available in several languages including English, French, Spanish, German and more. Contact us for a full list.
- And much, much more!



Tekscan's pressure mapping software allows the user to easily identify peak pressure areas (in red), view contact area and pressure and graph the results. Pressure on the individual sensels can be assessed numerically (box, left) easing the identification of peak pressure areas.

System & Sensor Specifications	
Sensor Technology	Resistive
Accuracy	± 10%
Pressure Range	0-250 mmHg (0-5 psi)
Thickness	0.35 mm (0.014 in.)
Sensel Density	0.5 sensels per square centimeter (3.0 sensels per square inch)
Sensing Area	1 Mat - 471.4 mm x 471.4 mm (18.56 in. x 18.56 in.) 2 Mats- 968.5 mm x 968.5 mm (38.13 in. x 38.13 in.)
No. of Sensing Elements	1 Mat - 1,024 2 Mats - 2,048

RELATED PRODUCTS & OPTIONS

Video Synch™ - Video sequences can be recorded from a camera and synchronized with your pressure data and played back in the Tekscan software, enhancing the utility and clarity of collected pressure data.

Equilibration Devices - Pneumatic devices that apply a uniform pressure to the active area of a sensor to normalize output of each sensing element are available. The system electronically compensates for any variation in individual sensing elements, creating a unique calibration curve for each sensing element.

Wireless Capability - Wireless connection is available between the sensor/Handle and your PC allowing for ultimate flexibility in data acquisition (PDA included).



Call Today for a Demonstration!