



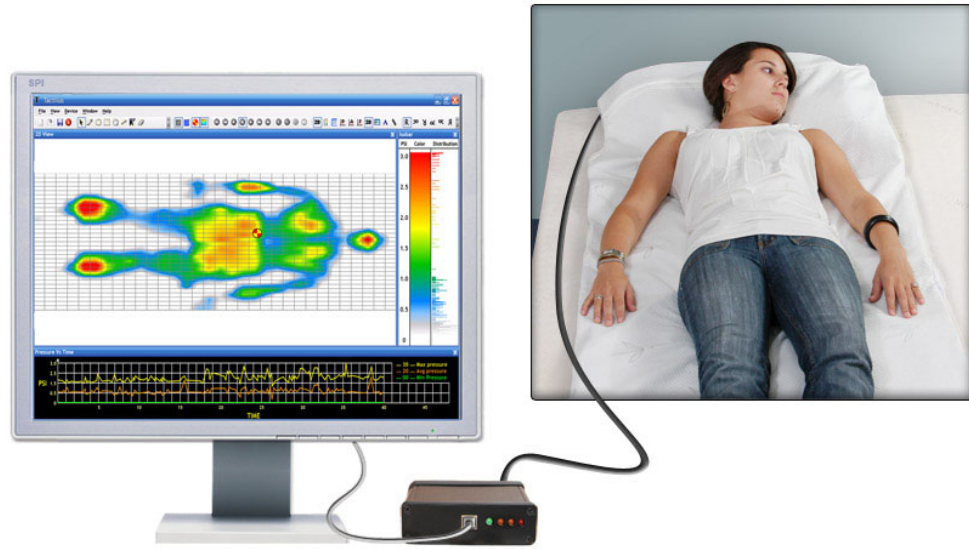
SENSOR PRODUCTS INC.
TACTILE PRESSURE EXPERTS

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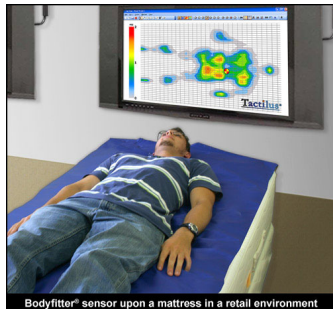
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Body Mapping: Mattress



Characterization of surface pressure of a person on a mattress using the Tactilus Bodyfitter® System

[REQUEST A DEMO](#)



Bodyfitter® sensor upon a mattress in a retail environment
Bodyfitter® sensor upon a mattress in a retail environment



Retail consumer body profiling system

Tactilus® Technology

The Tactilus Bodyfitter® system is designed to allow the manufacturer and retailer to measure pressure distribution and magnitude between the customer and sleeping surface.

Bodyfitter® captures data from a series of sensor points propagated across the body surface and assimilates the data into our powerful Windows® based software providing you with colorized pressure maps (pictured above) and detailed statistical reports.

The Bodyfitter® force sensor offers the dual capability of **measuring both pressure and temperature distribution.**

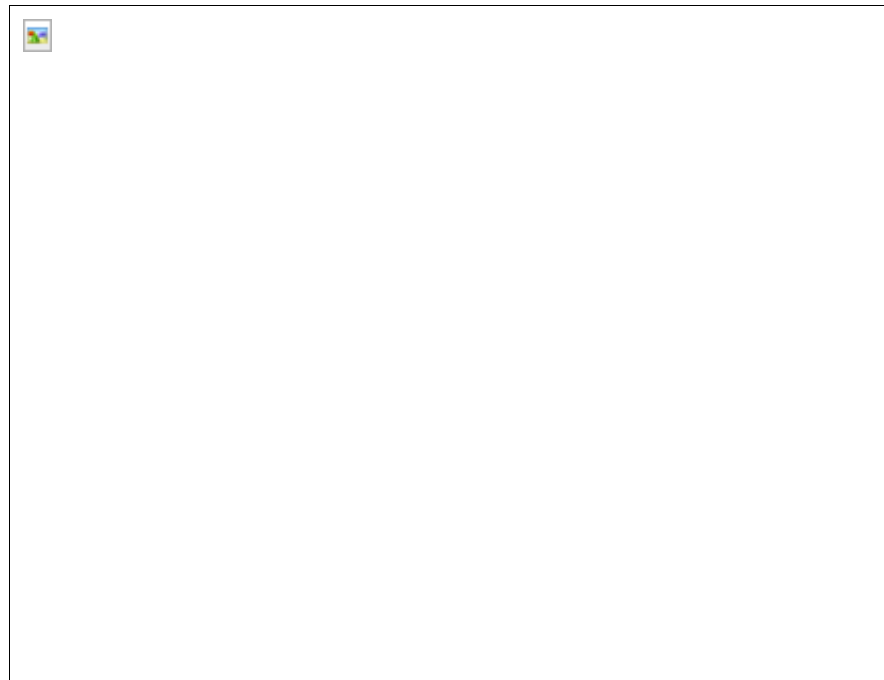
Tactilus Bodyfitter® is the most economical, scientific and user-friendly system for surface pressure mapping available today, both in the lab as well as in-store.

Tactilus® is matrix based tactile surface sensor that works by the principle of piezoresistance. Tiny sensing cells cover the entire surface area of our sensor "skin" allowing for discrete spot pressure analysis at any point in the contact region.

Sensor Products primary proposition is to offer our clients precisely what they require or need. To that end, everything we design can be completely tailored to your unique situation.

Benefits

- Anthropometric Feature – reads and reports body attributes, and Somatotype
- Chiropractic Diagnostic Package
- Consumer Database - designed to track customers and salesman performance and response-to-sale ratios
- Languages – software in Spanish, Chinese, German and French
- Private Branding - name and indentia on hardware and software
- Handheld Remote Control Device
- Retail Environment Version – touchscreen panel and graphical user interfaces
- Scientific Analysis Package
- Wireless Capability



Sensor Specifications	
Technology	Piezoresistive

Pressure Range	0 - 2 PSI (0 - 103.43 mmHg)
Grid Size	Up to 32 x 32 lines
Sensing Points	Up to 1,024
Total Sensing Area	Up to 26" x 76" (66 x 193 cm)
Scan Speed	Up to 10 hertz
Spatial Resolution	Custom from 0.5 in2 (1.3 cm ²)
Thickness	30 mils (0.7 mm)
Accuracy	± 10%
Repeatability	± 2%
Hysteresis	± 5%
Non-linearity	± 1.5%

Medical specialists also use the pressure image capabilities of Tactilus[®] to help prevent pressure ulcers or pressure sores.

If you are looking for a matrix pressure sensor that enables you to carry out surface pressure mapping in your application, then you should contact us about Tactilus[®].

Refer to our applications menu for additional information on any of these uses of Tactilus[®] for surface pressure mapping.

NOTE: You may also have read about electronic sensor elements, tactile surface pressure systems, force sensing resistors (FSR), free form sensor systems, pressure sensing arrays, and matrix-based tactile surface sensors. These terms are synonymous with our Tactilus[®] pressure sensor.

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