

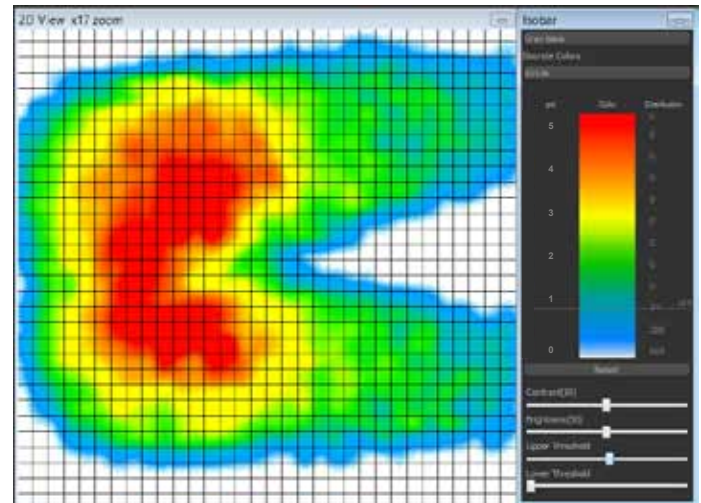
Tactilus®

Seat Pressure Mapping System

The Tactilus seat sensor is the most scientifically sophisticated, yet user-friendly product in the market for evaluating pressure distribution and magnitude between a person and a seating surface. Chair design, wheelchair fitting, ulcer prevention, equestrian and cycling saddle fitting are common applications.



About the product — The Tactilus® seat sensor delivers real-time surface pressure distribution between a person and their seating surface. Bringing human factors engineering to a new level, Tactilus® seat sensor is capable of characterizing pressure magnitude of the seat surface, back and head rest simultaneously. Tactilus® seat sensor then assimilates the data collected into our powerful Windows® based software providing you with everything from pressure maps to detailed statistical analysis. In the design of seating surfaces, position, density and conformity of materials is critical. Tactilus® seat sensor not only significantly reduces the number of test iterations required, but is a revolutionary design aid towards the quest for ergonomic fit. Sensor Products works closely with each individual client to tailor a system for your particular needs. Private labeling and branding of the software and hardware with your logo and identia is available.



Characterization of surface pressure of a person on a seat



Tactilus® seat sensor stretches to conform to your surface.



Specifications

Technology	Piezoresistive
Pressure Range	0 - 5 PSI (0 - 0.35 kg/cm ²)
Grid Size	32 x 32
Sensing Points	1,024
Total Sensing Area	18.3" x 18.3" (46.5 x 46.5 cm)
Scan Speed	USB 50 hertz (WIFI 10 hertz)
Spatial Resolution	From .59 in. (1.5 cm) and finer
Thickness	.098 in. (2.5 mm)
Accuracy	± 10%
Transmission Range	66' (20 meters) WIFI
Transmission Mode	USB cable or WIFI

THE TECHNOLOGY — Tactilus® seat sensor is a 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.



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