

Tactilus®

STANDARD SEATING PAD

REAL-TIME TACTILE PRESSURE ANALYSIS

The Tactilus Seating Pad S-256 system is the most user-friendly and affordable technology solution for evaluating pressure distribution and magnitude between a person and a seating surface. Chair design, wheelchair fitting and ulcer prevention are common applications.



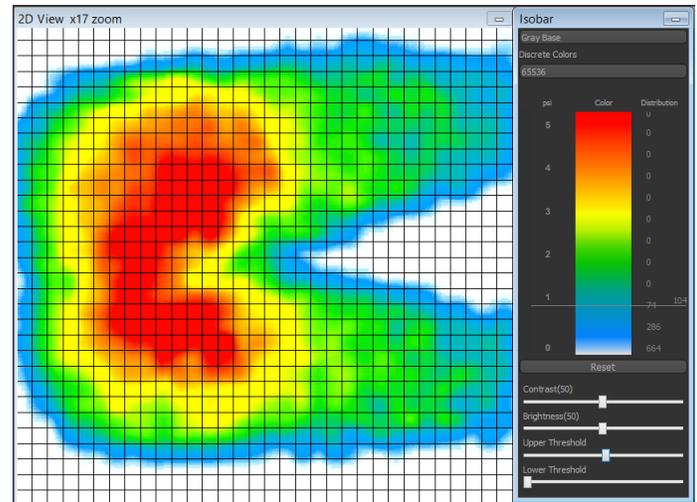
ABOUT THE PRODUCT — The Tactilus® Seating Pad S-256 sensor system delivers real-time surface pressure distribution between a person and their seating surface. Bringing human factors engineering to a new level, Tactilus® Seating Pad is capable of characterizing pressure magnitude of the seat surface, back and head rest simultaneously. Tactilus® Seating Pad 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® Seating Pad 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 identity is available.



Seat Sensor Pad

Bluetooth electronics

 **Wireless Now Available**



Characterization of surface pressure of a person on a seat

Specifications

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Technology	Piezoresistive
Pressure Range	0 - 5 PSI (0 - 0.35 kg/cm ²)
Grid Size	16 x 16
Sensing Points	256
Total Sensing Area	12.2" x 12.2" (31 x 31 cm)
Scan Speed	Up to 25 hertz
Spatial Resolution	From .76 in. (1.9 cm) and finer
Thickness	.05 in. (1.6 mm)
Accuracy	± 10%
Transmission Range	32' (9.8 meters)
Transmission Mode	Bluetooth

THE TECHNOLOGY — Tactilus® Seating Pad 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.



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