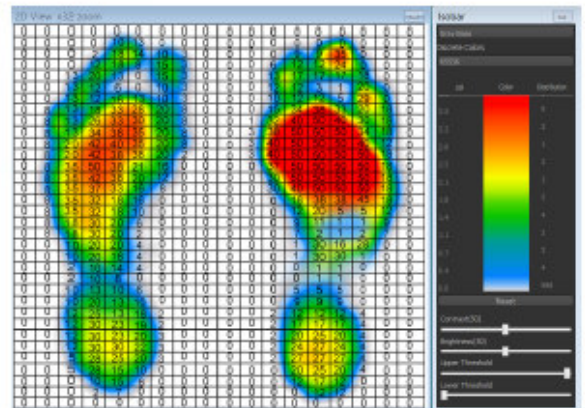




The Tactilus® wireless foot insole sensor system inserted into a shoe



Screenshot of Tactilus® software

Why use Tactilus® Technology:

Tactilus® foot insole sensors are the smallest and lightest insole sensors on the market. From its tiny transmitter the battery operated unit allows the user to travel up to 30 feet from the recording laptop. Tactilus® foot insole draws on decades of plantar foot pressure analysis and sensor design providing the customer with an extremely durable yet highly sensitive sensor device.

Sensor Products' involvement with your foot insole sensor doesn't end with sending you the system. We offer an extensive capability of customization and on-site and remote training and support. Our one year of free customer support sets us apart from our competitors in a dramatic way.

Tactilus® software is both extremely easy to use but also very powerful allowing the user to assimilate a tremendous amount of data captured from the sensors into easy to interpret and digest 2D and 3D pseudocolored representations, complimented by an extensive suite of statistical and mathematical data. Our sophisticated algorithms provide powerful smoothing and filtering capabilities and our thresholding features allow the user to hone in on particular regions of interest and high or low pressure zones.



The Tactilus® wireless foot insole sensor system

Benefits Include

- ▶ Pre-calibrated
- ▶ Resistant to electromagnetic noise, temperature & humidity fluctuations
- ▶ Modular architecture with interchangeable sensor elements
- ▶ 100% customizable

Sensor Specifications

TECHNOLOGY	Resistive Ink
PRESSURE RANGE	0.5 - 100 PSI (0.035 - 7.03 kg/cm ²)
SENSOR SIZE	Shoe sizes starting at 9 US (42 EU)
SPATIAL RESOLUTION	Customizable from 1/6 in. (1.6 mm)
SCAN SPEED	50 fps
SENSOR THICKNESS	0.0625 in. (1.6 mm)
WIRELESS	Bluetooth / 1 mbs
WIRELESS RANGE	25 to 30 ft. (7.5 to 9 m)
WIRELESS TRANSMITTER SIZE	75 mm high, 49 mm wide, 12 mm thick
ACCURACY	± 10%
REPEATABILITY	± 2%
HYSTERESIS	± 5%
NON-LINEARITY	± 1.5%
MATRIX	309 sensing points / triangular matrix
SOFTWARE	Windows based
RECHARGEABLE	Micro USB Cable
CABLE LENGTH	106 mm

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