

Tactilus® Shoe Insole Sensor

Standard | S-Series Technology
pressure mapping system



Shoe insole sensor in use

Features & Benefits of Tactilus®



Pre-calibrated



Most economical
unit on the market



Wireless Bluetooth



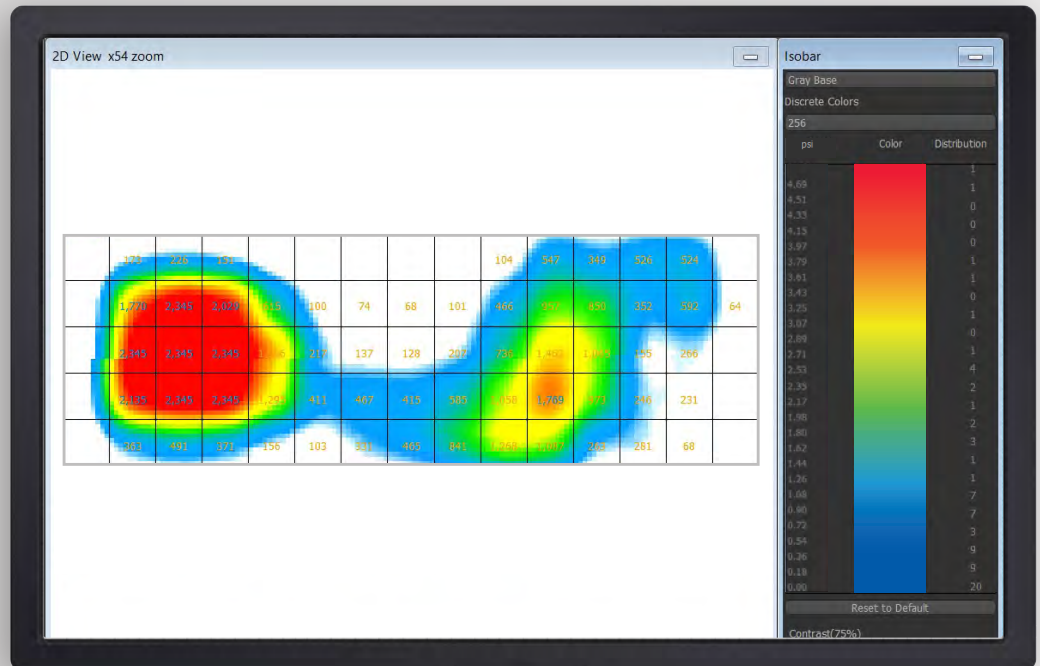
Inherently shear
resistant



Smallest and lightest on
the market



Resistant to electromagnetic
noise, temperature and
humidity fluctuations



Shoe insole software view

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. The statistical and mathematical data is interpreted into 2D and 3D pseudocolored representations.

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.

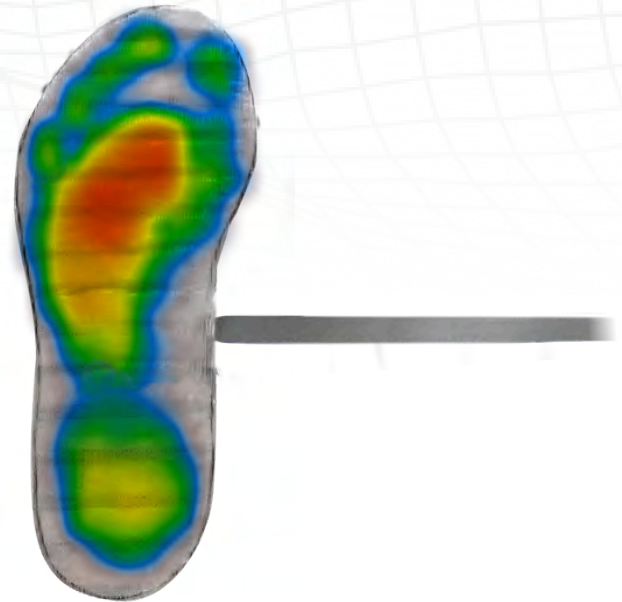
Zoomed view of sensels



Foot insole sensor inserted into a shoe

Sensor Specifications

Technology	Resistive
Pressure Range	0 - 40 PSI (0 - 2.8 kg/cm ²)
Number of sensing points	15 x 5 (75 sensing points) per foot
Overall Sensor size	Shoe sizes starting at 9 US (36 EU)
Sensing Point Size	0.67 in (1.7 cm)
Scan speed	100 Hz
Sensor thickness	50 mils (1.27 mm)
Communication	Bluetooth
Accuracy	± 10%
Repeatability	± 2%
Hysteresis	± 5%
Non-linearity	± 1.5%
Operating System	Windows



Characterization of foot impression