Tactilus® Shoe Insole Sensor

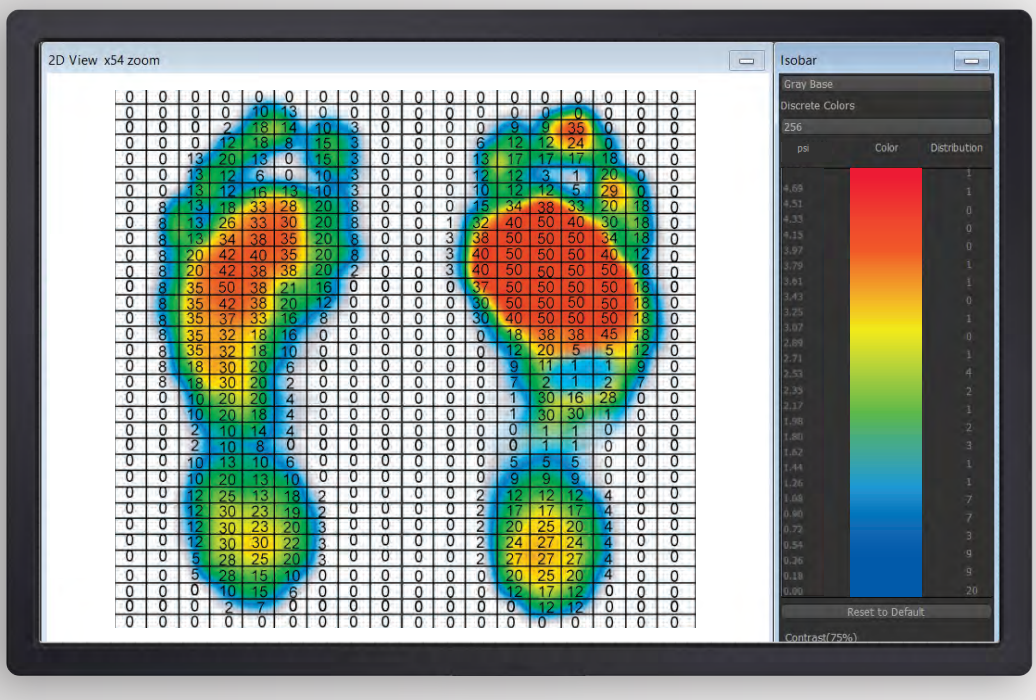
High Performance | *V-Series Technology*

pressure mapping system

Shoe insole sensor in use

Features & Benefits of Tactilus®

- Pre-calibrated
- Most economical unit on the market
- USB/WiFi
- Inherently shear resistant
- Smallest and lightest on the market
- Resistant to electromagnetic noise, temperature and humidity fluctuations



Shoe insole software view

Updated 08-20-2019

Why use
Tactilus® Technology:

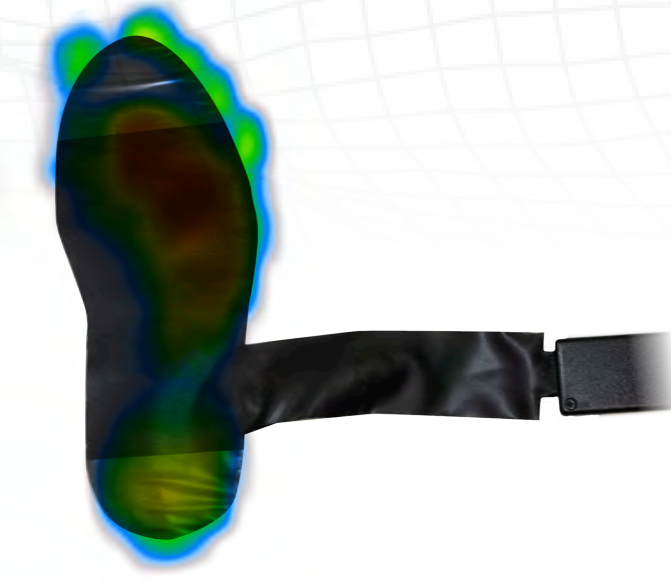
Tactilus® foot insole sensors are the smallest and lightest insole sensors on the market. From its tiny transmitter the battery operated unit allows the user to travel up to 30 feet from the recording laptop.

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 pseudcolored 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



Characterization of foot impression

Sensor Specifications

Technology	Resistive
Pressure Range	0 - 30 PSI (0 - 2.1 kg/cm²)
Number of sensing points	16 x 8 (128 sensing points) per foot
Overall Sensor size	Shoe sizes starting at 9 US (36 EU)
Sensing Point Size	0.62 in x 0.44 in (1.6 cm x 1.1 cm)
Scan speed	Up to 300 Hz
Sensor thickness	50 mils (1.27 mm)
Communication	USB/WiFi
Accuracy	± 10%
Repeatability	± 2%
Hysteresis	± 5%
Non-linearity	± 1.5%
Operating System	Windows

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