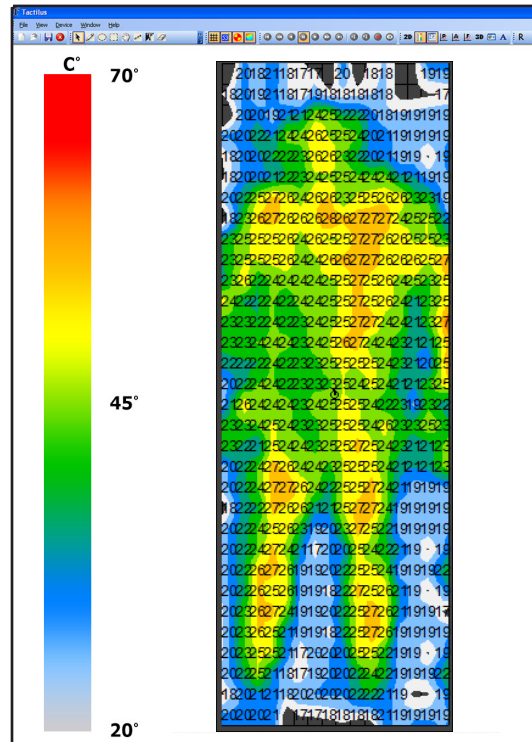**Tactilus®**

Tactilus® temperature sensor system in use in a retail environment

Surface temperature characterization of person on mattress

The Tactilus® temperature sensor system is designed to allow manufacturers and retailers to measure temperature distribution and magnitude between the customer and a sleeping surface.

Tactilus®'s modular architecture allows the user the capability to capture temperature information from the same base electronics. Through the sophisticated application of resistive thermistor technology, our sensor sets new standards for scientific validity and cost effectiveness.

Tiny sensing cells cover the entire surface of the sensor "skin" allowing for discrete spot temperature analysis at any point in the contact region. Tactilus® captures data from these sensing points and assimilates it into powerful, yet user-friendly, Windows®-based software providing colorized temperature maps and detailed statistical reports.

SPECIFICATIONS

Technology	Thermistor
Temperature Range	68°F - 158°F (20°C - 70°C)
Sensing Points	Up to 512
Total Sensing Area	Up to 26" x 76" (66 x 193cm)
Scan Speed	Up to 40 hertz
Spatial Resolution	Custom from 0.5in² (1.3cm²)
Thickness	50 mils (1.27 mm)
Accuracy	± 10%
Repeatability	± 2%
Hysteresis	± 5%
Non-linearity	± 1.5%

"Our primary proposition is to offer clients precisely what they require or need for their applications. To that end, everything we design can be completely tailored to your unique situation."

— Jeffrey G. Stark , CEO

TACTILE PRESSURE EXPERTS

SPI

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Updated 02-07-2020