

REAL-TIME TACTILE PRESSURE ANALYSIS

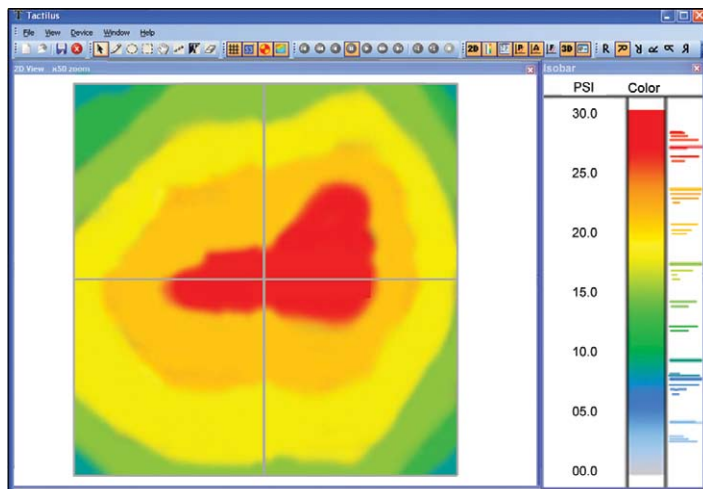
Application: Appliance Door Seals



Zoomed view of 4 sensor elements



Tactilus Free Form® sensors placed on an oven door seal



Screenshot of analytical software

The free form philosophy is to empower the user to select the precise location where they require data collection rather than the constrained "matrix" inherent in traditional fixed tactile surface sensors. Free Form was created to maximize both data collection efficiency and value.

~ Jeffrey G. Stark, CEO

The Tactilus Free Form® door seal sensor system is designed to allow the user to collect pressure position and magnitude data at discrete selected locations across a door seal. Proper placement and construction of seals and gaskets have a dramatic effect on appliance energy efficiency, consumer warranty issues, air and water leakage and noise level. Tactilus® aids in not only in seal design but in material selection and testing as well. The Tactilus Free Form® sensor system is a "user constructed" tactile surface pressure system that provides unprecedented flexibility and ease of use.

Key features:

- 16 Channel simultaneous data collection
- Sensors are disposable and very economical

FREE FORM SPECIFICATIONS

Technology	Piezoresive
Pressure Range	0 - 30 PSI (0 - 2.1 kg/cm ²)
Sensing Points	32
Max Simultaneous channels	32
Scan Speed	Up to 100 hertz
Thickness	15 - 40 mils (038 - 1.02 mm)
Accuracy	± 10%

System includes: sensor element, electronic controller, software and cables

Unique to the industry, each Free Form® sensor element is individually calibrated, sequentially serialized and quality tested to ensure the highest repeatability and accuracy. In addition, our sensor assemblies feature ergonomic and high quality Berg connectors, ensuring durable interconnection.