Tactilus® FREE FORM Sensor System

The Tactilus® Free Form Sensor System is a "user constructed" tactile surface pressure system that provides unprecedented flexibility and ease of use. 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 surface sensor skins.

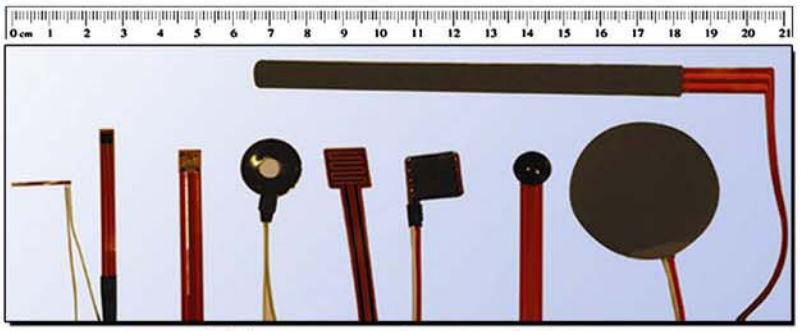
Single Sensing Point

Salient features:

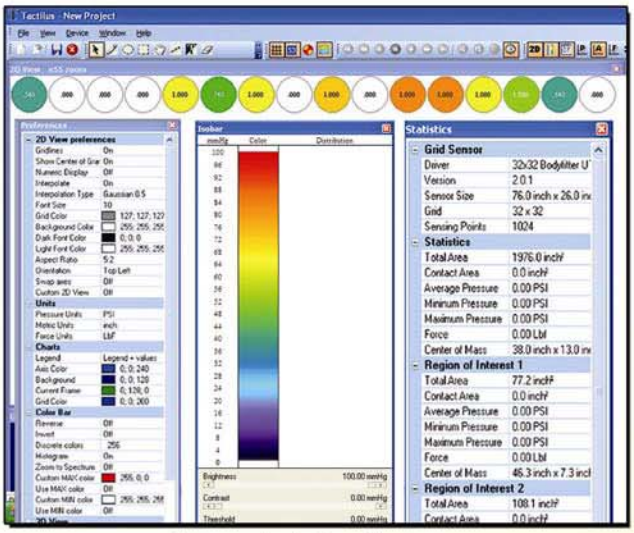
- 16 Channel simultaneous data collection
- Sensors are disposable and very economic

Designed for multi-axis or curvaceous topographies the Tactilus® Free Form Sensor System provides engineers the capability to collect and assimilate data from up to 16 separate sensor elements simultaneously, at desired locations on an application surface to maximize data collection efficiency and value. This new approach to tactile surface pressure mapping maintains data integrity and usefulness while allowing engineers the capability of constructing their own sensor "matrix."

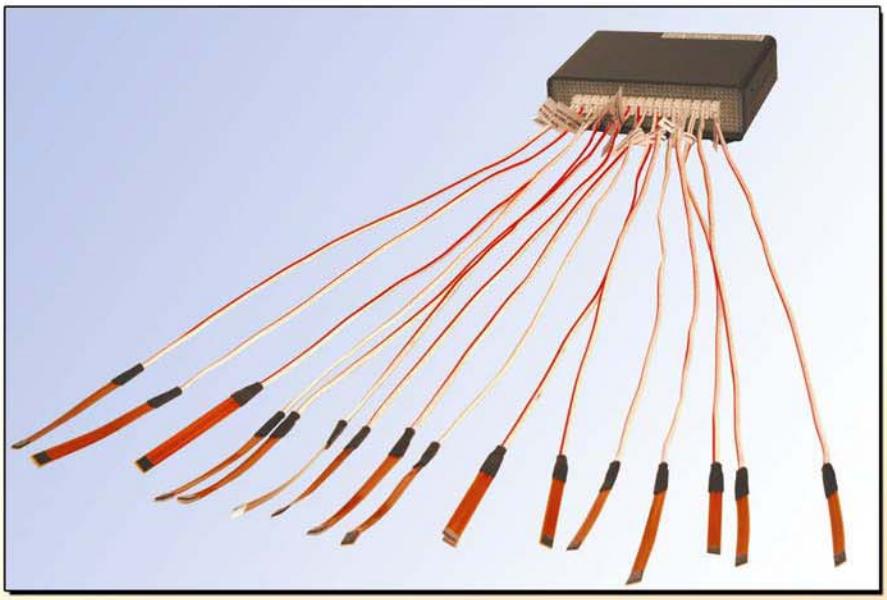
Unique to the industry, each Free Form sensor element is individually calibrated, sequentially serialized and quality tested to ensure the highest repeatability and accuracy. In addition, our sensor assemblies feature ergonomic and high quality Berg connectors, ensuring durable interconnection.



Various sensor shapes and sizes



Screenshot of software



Data collection hub with 16 sensor elements connected

COMMON APPLICATIONS

- Aerospace: composite bonding, nip pressures
- Automotive: door seals, impact forces, fuel cells
- Electronics: heat sink analyisis, nip pressures, laminations, LCD bonding
- Factory: lamination, clamping, heat sealing, nip pressures
- Orthopedics: joint analyisis, ergonomics

SPECIFICATIONS	
Dimensions	From .09cm² - 12.9cm²
Thickness	From .01" (.25mm)
Pressure Range	0-2,000 PSI
Durability	Up to 100,000 uses
Recommended Current	5 mA
Supply Voltage	3-6 VDC
Operating Temperature	0°-113° F (0°-45° C)
No Load Resistance	00 MΩ
Max Load Resistance	500 Ω
Speed	30 Hz

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Tactilus®

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