



2-D view of pressure distribution during heavy braking.

Tactilus®

Seatbelt Impact Analysis

REAL-TIME PRESSURE PROFILING

The Tactilus® Seatbelt sensor displays a detailed analysis of the body in contact with the seatbelt in real time. The Tactilus® software provides both a static and dynamic picture of the individual, while in motion. Tactilus® provides precise result under dramatic braking conditions when the seatbelts are taut against the body. The sensor displays pressure point distribution and provides data that can be used to design seatbelts to maximize safety of the passenger and reduce injury due to collisions.

Tactilus® reports and collects data of pressure response between two contacting surfaces. It then transmits that data to our fully customizable software where a dynamic pressure distribution is displayed. The image may be magnified for region of interest viewing, and the software can display statistical analysis of average and minimum/ maximum pressure. Further individual frame and trend analysis can be performed in Microsoft Excel®. The system comes with complete sensor, data hub, USB connection, and Tactilus® software.

FEATURES

- 100% Customizable
- Pre-calibrated for application pressure
- Flexible and durable sensor elements
- Resistant to electromagnetic noise
- Modular architecture with interchangeable sensor elements
- Movie viewing of results in Tactilus® software
- 2-D and 3-D imaging
- Windows® compatible software

SENSOR SPECIFICATIONS

Pressure Range	0 to 50 PSI (0 to 3.5 kg/ cm ²)
Sensor Size	Customizable from 1 sq. in. (2.54 cm ²)
Spatial Resolution	Customizable from 0.39 in (10 mm)
Scan Speed	Up to 100 hertz
Accuracy	±10%

TACTILE PRESSURE EXPERTS



SENSOR PRODUCTS INC.

Sensor Products Inc.
300 Madison Avenue
Madison, NJ 07940 USA
Phone: 1.973.884.1755
Fax: 1.973.884.1699
www.sensorprod.com

www.sensorprod.com/tactilus