



Door Seal Analysis

REAL-TIME PRESSURE PROFILING

The Tactilus® pressure mapping system displays detailed pictures and statistical data of the contact area of the seal of a door to the rubber seal of a car in real-time. Software imaging can expose a surface defects, abrasion marks, voids, and verifies the overall fit and uniformity of the door seal. If left undetected, these design issues can affect aerodynamics, water proofing, sound proofing, safety, air quality, and production line setup.

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
- USB connection
- Windows® compatible software

The door seal sensor system utilizes piezoresistive sensor elements that report pressure response between two contacting surfaces.

The collected data is transmitted to proprietary software where dynamic pressure distribution is displayed in a variety of images and graphs. Images may be magnified for region of interest viewing, and the software can display statistical analysis of average, minimum and maximum pressures. Data collected by Tactilus® can easily be exported into a text file for individual frame and trend analysis in virtually any third-party software. The Tactilus® system comes complete with sensor element(s), data hub, USB connection and software.

SENSOR SPECIFICATIONS

Technology	Piezoresistive
Pressure Range	0 - 30 PSI (0 to 2.1 kg/cm ²)
Sensor Size	Customizable
Spatial Resolution	Customizable
Scan Speed	Up to 100 hertz
Accuracy	± 10%