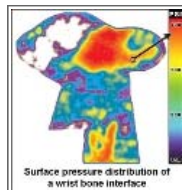


Surface Pressure Indicating Sensor Film Reveals Pressure Distribution Of Joint And Bone Interfaces

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Sensor Products introduces Pressurex, a thin flexible sensor film that instantaneously and permanently reveals pressure distribution and magnitude between any two contacting surfaces. Pressurex maps and measures pressure distribution from 2 - 43,200 PSI (0.14 - 3,000 kg/cm²). A new pressure range called Pressurex Extreme Low reveals contact pressure from 7.2 - 28 PSI (0.5 - 1.97 kg/cm²) which will have clinical and research applications.



Pressurex is a convenient medium for measuring interfacial stresses at joint surfaces, both physiological and prosthetic. It is thin enough to conform to curvaceous surfaces and can be laser cut by Sensor Products to specific shapes and dimensions. It is useful for revealing the pressure distribution of joint and bone interfaces, and for measuring impact force in gait analysis and weight bearing responses on prosthesis. Research Papers and Orthopedic Journals have referenced Pressurex as a means to measure knee and hip joint contact pressures related to clinical conditions and surgical procedures.

When placed between contacting surfaces, the film instantaneously and permanently changes color. This color change is directly proportional to the actual pressure applied. Precise pressure magnitude is easily determined by comparing the resultant color intensity to a color correlation chart (conceptually similar to interpreting Litmus paper). Further imaging of Pressurex is available through the Topaq Force Distribution System which provides three dimensional topographical images, histograms, line scans, and zoom features for in-depth statistical and visual analysis. Topaq can be purchased, leased or the image analysis can be done in-house by Sensor Products.

For more information, visit www.sensorprod.com/pressurex.

About Sensor Products Inc. (USA)

Headquartered in New Jersey and established in 1990, Sensor Products Inc., is a world leader in the manufacture and distribution of tactile pressure indicating solutions. Their customized and off-the-shelf products are installed within all of the Fortune 500 industrial companies as well as thousands of smaller manufacturing firms. Their sensors are used in applications as diverse as tire testing to semiconductor manufacturing and from R&D labs to space missions. Additionally, Sensor Products provides in-house and on-site stress and pressure mapping analysis, as well as a variety of regional technical seminars.

SOURCE: Sensor Products