

What product best serves my needs?

Analogy	Like a "Movie"	Like a "Photograph"
Product Name	Electronic Sensor Tactilus®	Pressure Indicating Film PRESCALE
Suited For	Your two surfaces contact and continue to move and require pressure data capture throughout an interval or time.	Your two surfaces contact and you simply require to get a "snapshot" of the maximum contact pressure between those two surfaces.
Principle	Electronic Piezo-Resistive Sensor Element	Chemically Reactive Sheet
Longevity	Sensor elements are reusable. Potential for hundreds of uses.	Film is one time use. Archivable or disposable
Cost	\$5,000+	±US \$60 per linear foot (30 cm x 27 cm)
Pressure Range	0.1 - 200 PSI (0.007 - 14.1 kg/cm ²)	7 different pressure ranges from 8 - 43,200 PSI (0.6 – 3,000 kg/cm ²)
Calibration	Pre-calibrated and subsequently calibrateable by user	Pre-calibrated
Spatial Resolution	From 0.8 in ² (2 mm)	10,000 pixels per in ² (1,550 per cm ²)
Data Delivery	Digital with results in Windows®	Visual Observation
Accuracy	±10%	±10% visually, ±2% using Topaq®
Primary Material(s)	Mylar, Polyimide, Urethane, fabric	Mylar
Maximum Temperature	120° F (49° C)	Up to 400° F (204° C) For brief exposure
Archival Capability	Standard Windows® File Format	Sensor material permanently captures pressure profile.
Max. Physical Dimension	203 cm by 73 cm (80 x 29 in)	No Limit
Reaction Speed	1/100 second	1/10,000 second
Conformability	Up to 2-axis bending	1-axis bending
Thickness	0.1 mm - 0.15 mm	0.16 mm

Schedule a Demo

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Free Sample

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