

Stance Pad Sensor

High-Resolution Pressure & Balance Analysis

Capture detailed plantar pressure data during standing and dynamic movements to assess balance, stability, and load distribution. The Stance Pad sensor delivers high-resolution insights for clinical evaluation, rehabilitation, and performance analysis.

Designed for precision and ease of use, the Stance Pad sensor enables clinicians and researchers to identify peak pressure points and monitor changes over time. Its compact, portable design makes it ideal for both in-clinic assessments and flexible testing environments.



KEY BENEFITS

HIGH-RESOLUTION PRESSURE MAPPING

- Capture detailed plantar pressure data with high sensor density for clear, accurate foot pressure images.
- Identify peak pressure points to support clinical assessments and intervention strategies.

BALANCE & STABILITY INSIGHTS

- Assess postural stability and weight distribution during standing and dynamic movements.
- Support rehabilitation and injury prevention with objective, data-driven analysis.

PORTABLE & CLINICAL-READY DESIGN

- Compact, lightweight sensor enables quick setup in clinics, labs, or mobile environments.
- Durable, flexible construction supports repeated use in both static and dynamic testing.

RELIABLE, EASY-TO-USE SYSTEM

- Plug-and-play functionality with wired or Bluetooth® connectivity for seamless operation.
- Consistent, repeatable measurements provide confidence in clinical and research outcomes.



SPECIFICATIONS



SENSOR	
Accuracy:	±10%
Pressure Range:	1-100 psi, 0.69-69 N/cm ²
Resolution:	0.25" / 6.35 mm
Sampling Frame Rate:	12 frames/second

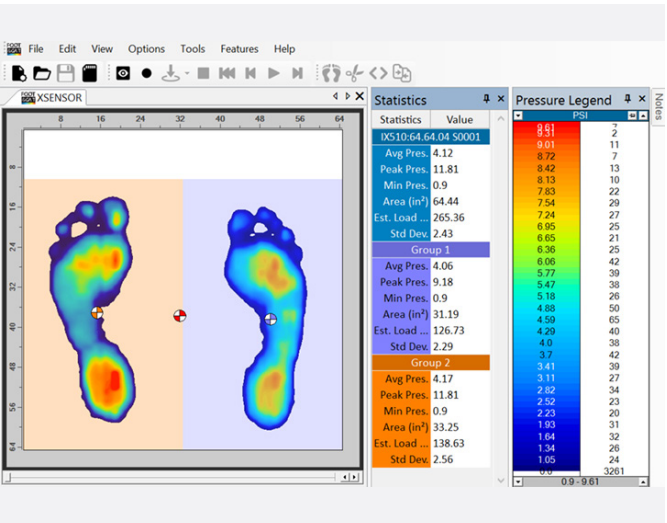
PHYSICAL CHARACTERISTICS	
Total Area:	22.5" x 22.5" / 57.2 x 57.2 cm
Sensing Area:	16" x 16" / 40.6 x 40.6 cm
Thickness: (Uncompressed Sensing Area)	0.06" / 1.5 mm

KEY FEATURES

- High-resolution sensor: 6.35 mm resolution, 4,096 sensing points
- Produces detailed pressure images
- Suitable for static and dynamic testing
- Durable, portable, plug-and-play
- Wired or Bluetooth® connectivity
- Flexible and easy to place on any flat surface

OPERATIONAL REQUIREMENTS

- IX510:64.64.04 Stance Pad Sensor
- X4 Sensor Pack
- XSENSOR Pro Foot & Gait Software
- USB Charger



OUR PLATFORM INTELLIGENT DYNAMIC SENSING

The platform behind our human performance products, Intelligent Dynamic Sensing, enables precise measurements and features highly detailed visualizations and smart data with AI-powered analysis — resulting in optimized performance, comfort, and safety.



Maximum performance sensing



Real-time data measurement and
highest-quality visualizations



AI-powered data analysis and
optimization

XSENSOR

SALES

+1 (403) 266-6612
sales@xsensor.com

WEBSITE

xsensor.com

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