

# Saddle Pressure System

Equestrian Saddle Measurement

**The Saddle Pressure Measurement system allows saddle fitters and coaches to see what the horses feel in order to improve saddle fitting.**

While in motion, horses experience higher pressure on their backs and shoulders from riders. Without a clear understanding of how a saddle fits during activity, horses may be at risk of developing painful and costly injuries. It can also compromise the performance of the horse.



## KEY BENEFITS

### ACCURATE, RELIABLE, & REPEATABLE TESTING

- Measure and record the pressure distribution between saddle and horse and display data in real-time with outstanding accuracy and reliability.
- Get insights into saddle fitting, rider balance, and rider technique with high-resolution pressure data.

### FLEXIBLE SENSOR DESIGN

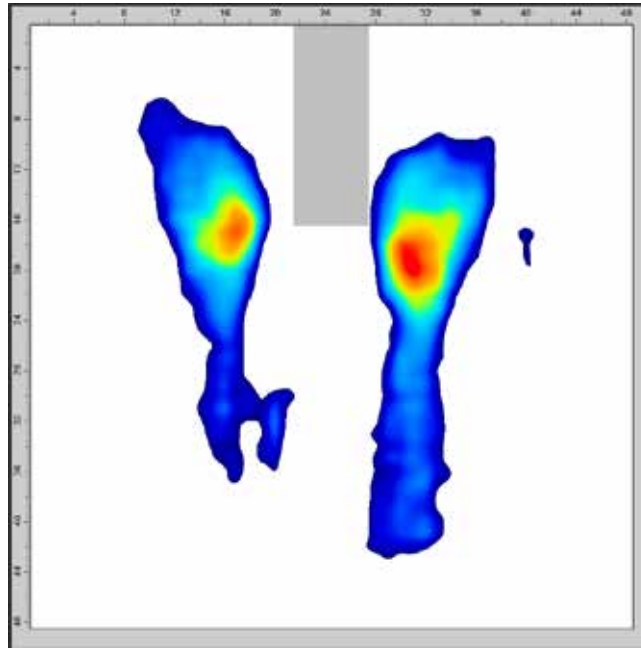
- Lightweight, waterproof, and durable urethane fabric cover provides extra protection required for equestrian applications; easy to clean and maintain.
- The thin, conformable sensor was designed with a custom cut-out to allow for easy contouring of a horse's withers. Can be used with a variety of saddles, including English and Western saddles.
- Bluetooth® electronics ensure the entire system is virtually undetectable to both rider and horse.

### STATIC & DYNAMIC PRESSURE MEASUREMENT

- Analyze high-resolution 2D or 3D images and recordings to identify peak pressures. Compare individual images or dynamic recordings.
- Save valuable production time with fast set-up and easy-to-interpret measurement visualizations.

# SADDLE PRESSURE SYSTEM SPECIFICATIONS

SENSOR	
Accuracy:	±5%
Thickness: (Sensing area, uncompressed)	1 mm (0.04 in)
Pressure Range:	5-200 mmHg
Resolution:	12.7 mm (0.5 in)
Size:	762 x 813 mm (30 x 32 in)
Sensing Area:	610 x 610 mm (24 x 24 in)



## OUR PLATFORM

### INTELLIGENT DYNAMIC SENSING

The platform behind our product design & safety testing products, Intelligent Dynamic Sensing (IDS), 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**

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