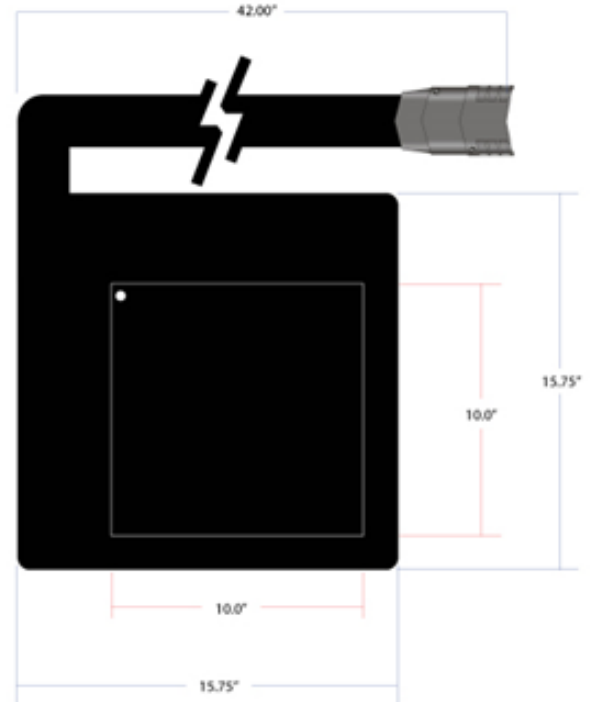# SENSORS **PX200:100.100.10**

PRODUCT DESCRIPTION

The X3 PX200 series of sensors are designed as a conformable and durable sensor for measuring interface pressures. These capacitive sensors were initially designed for medical applications in rehabilitation seating and have since been more widely used in automotive seating, aerospace, research, and product design. The PX200 series of sensors are known for accuracy, durability, and repeatability.

SENSING	
Sensor Technology	Capacitive Pressure Imaging
Pressure Range	0.2–15psi
	0.14–10.3N/cm^2
Spatial Resolution	0.1"	2.54mm
Accuracy	± 10% full scale*
Sampling Frame Rate	14.4 frames/s**

PHYSICAL CHARACTERISTICS		
Total Area	15.75" x 15.75"	40cm x 40cm
Sensing Area	10" x 10"	25.4cm x 25.4cm
Thickness (Sensing Area, uncompressed)	0.024"	0.06cm
Thickness (Border – cabling side)	0.12"	0.3cm
Border Width (cabling side)	4"	10.1cm
Border Width (non-cabling side)	1.5"	3.8cm
Cable	42" x 2" x 0.18"	106cm x 5.1cm x 0.5cm
Connector	4.76" x 2.76" x 0.9"	12.1cm x 7cm x 2.3cm

SENSING	
Ambient Temperature	10°C–40°C
Ambient Humidity	5% to 90% RH

KEY FEATURES

- High-resolution sensors with a 2.54 mm pitch (resolution) and 10,000 sensing points
- Designed for high-quality pressure images with exceptional detail
- Excellent for both lab and environmental testing

REQUIREMENTS FOR OPERATION

- Each PX200:100.100.10 sensor must be connected to two X3 PRO SENSOR PACKS
- The X3 PRO SENSOR PACKS need to be connected to an X3 PRO
- The X3 PRO needs to be connected to a power supply and a computer running XSENSOR software to function

* When verified using the standard XSENSOR verification process.
**Sampling rate based on using X3 PRO Electronics. Frame rate may vary based on computer configuration.

XSENSOR® Technology Corporation

Innovators in Pressure Imaging