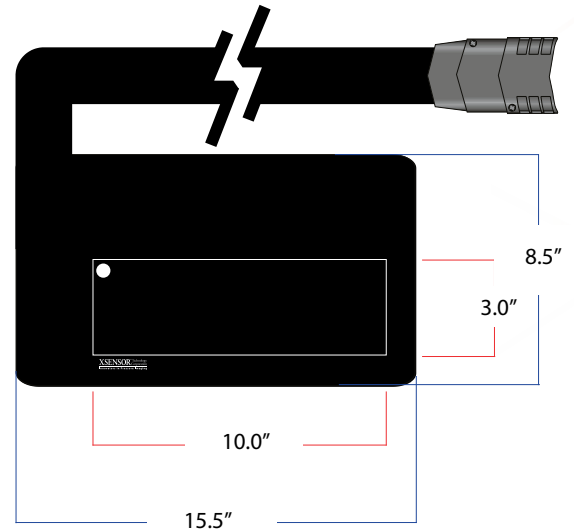## PRODUCT DESCRIPTION

The IX510:15.50.05 is a high pressure sensor with 750 sensing points. The sensor can be used for measuring tactile pressures on surfaces, automated clamping pressures, seal pressures, and for higher pressure research or design testing. The IX510:15.50.05 is a thin and conformable sensor that can fit into tight spaces and can be used on uneven surfaces. Additionally, the sensor provides a very fast data acquisition rate for capturing rapid movements.

SENSING		
Sensor Technology	Capacitive Pressure Imaging	
Pressure Range	10-512psi	
	6.9-353Ncm^2	
Spatial Resolution	0.2"	5.08mm
Accuracy	± 10% full scale*	
Sampling Frame Rate	95 frames/s**	

PHYSICAL CHARACTERISTICS		
Total Area	8.5" x 15.5"	21.6cm x 39.4cm
Sensing Area	3" x 10"	7.6cm x 25.4cm
Thickness (Sensing Area, uncompressed)	0.05"	0.13cm
Thickness (Border – cabling side)	0.63"	0.16cm
Border Width (cabling side)	4"	10.2cm
Border Width (non-cabling side)	1.5"	3.8cm
Cable	46.5" x 2" x 0.16"	118cm x 5.1cm x 0.4cm
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 5.08 mm pitch (resolution) and 750 sensing points
- Designed for high-quality pressure images with fast data acquisition
- Excellent for both lab and environmental testing
- Conformable sensor that can measure pressures on uneven surfaces

REQUIREMENTS FOR OPERATION

- Each IX510:15.50.05 sensor must be connected to one X3 PRO SENSOR PACK
- The X3 PRO SENSOR PACK must 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