SENSORS **LX210:25.50.05**

Update Info

PRODUCT DESCRIPTION

The X3 LX210 replaces the LX200 series. They are designed as a confirmable and durable sensor for measuring interface pressures. These capacitive sensors are ideal for assessing automotive and aerospace ingress-egress, seat design, and manufacturing quality. The LX210 series of sensors are highly accurate due to high repeatability, low hysteresis, and low creep characteristics. Due to their pressure range they have also been used in a variety of research and product testing environments.

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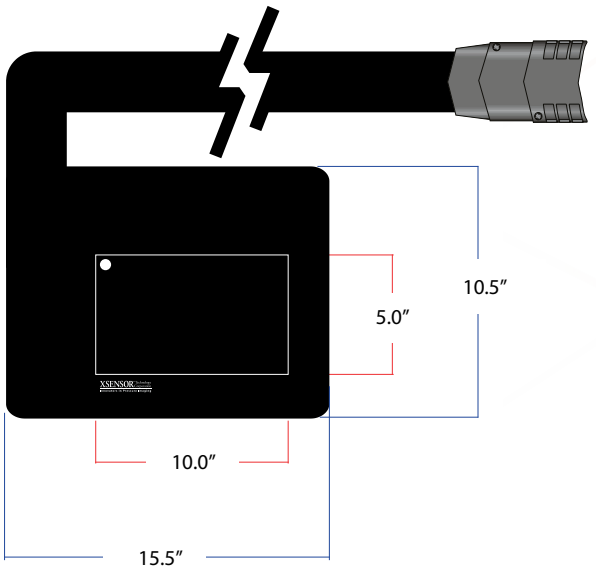

SENSING		
Sensor Technology	Capacitive Pressure Imaging	
Pressure Range	0.2-16psi	
	0.14–11N/cm^2	
Spatial Resolution	0.2"	5.08mm
Accuracy	± 5% full scale*	
Sampling Frame Rate	40 frames/s**	

PHYSICAL CHARACTERISTICS		
Total Area	10.5" x 15.5"	26.7cm x 39.4cm
Sensing Area	5" x 10"	12.7cm x 25.4cm
Thickness (Sensing Area, uncompressed)	0.03"	0.09cm
Thickness (Border – cabling side)	0.04"	0.11cm
Border Width (cabling side)	3.2"	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 0.09"	12.1cm x 7cm x 0.2cm

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 1,250 sensing points
- Very good repeatability
- Low hysteresis and consistent data
- Designed for comfort and healthcare pressure seating applications
- Durable sensor that conforms well to surfaces with a proven track record

REQUIREMENTS FOR OPERATION

- Each LX210:25.50.05 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