

SENSORS PX100:26.64.01

PRODUCT DESCRIPTION

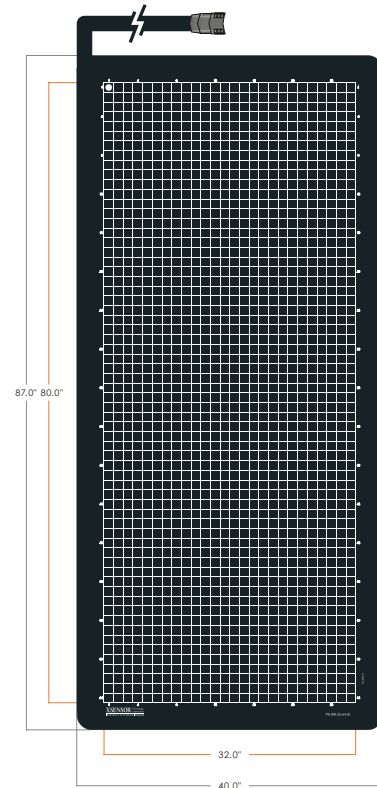
The X3 PX100:26.64.01 sensor is a mattress sensor used for medical and consumer mattress research and product testing. The sensor has a 1¼" resolution which provides a quality image of the mattress surface. The sensor conforms well to surfaces and has a durability and consistency suitable for hospital and consumer testing environments.

SENSING	
Sensor Technology	Capacitive Pressure Imaging
Pressure Range	0.1–1.0psi 0.2–3.87psi
	0.07–0.69N/cm ² , 0.14–2.7N/cm ²
Spatial Resolution	1¼" 31.75mm
Accuracy	± 10% full scale*
Sampling Frame Rate	53 frames/s**

PHYSICAL CHARACTERISTICS		
Total Area	40" x 87"	101.5cm x 221cm
Sensing Area	32" x 80"	81.2cm x 203.2cm
Thickness (Sensing Area, uncompressed)	0.03"	0.08cm
Thickness (Border – cabling side)	0.04"	0.1cm
Border Width (cabling side)	5"	12.7cm
Border Width (non-cabling side)	3.5"	8.9cm
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

PX100:26.64.01



KEY FEATURES

- High-resolution sensors with a 31.75 mm pitch (resolution) and 1,664 sensing points
- Designed for hospital and consumer mattress product testing and research.
- Excellent for both lab and environmental testing
- Durable sensors that performs well in hospital settings

REQUIREMENTS FOR OPERATION

- Each PX100:26.64.01 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.