

SENSORS IX510:64.64.04

PRODUCT DESCRIPTION

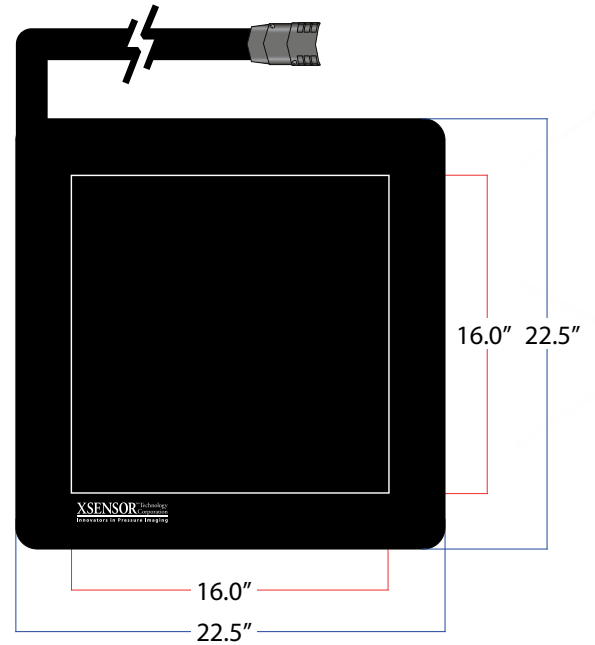
The IX510:64.64.04 is a stance pad sensor. The sensor has been designed to measure standing and striding foot pressures. A durable urethane cover provides extra protection and durability for heel strike and running movements. The sensor provides a high frame rate for recording foot movements. The IX510:64.64.04 generates foot profiles and analyzes foot pressures from standing, to walking, to running.

| SENSING | |
|----------------------------|-----------------------------|
| Sensor Technology | Capacitive Pressure Imaging |
| Pressure Range | 10-512psi |
| | 6.9-353N/cm ² |
| Spatial Resolution | 0.25" 6.35mm |
| Accuracy | ± 10% full scale* |
| Sampling Frame Rate | 24 frames/s** |

| PHYSICAL CHARACTERISTICS | | |
|--|----------------------|-----------------------|
| Total Area | 22.5" x 22.5" | 57.1cm x 57.1cm |
| Sensing Area | 16" x 16" | 40.6cm x 40.6cm |
| Thickness (Sensing Area, uncompressed) | 0.05" | 0.13cm |
| Thickness (Border – cabling side) | 0.063" | 0.16cm |
| Border Width (cabling side) | 4.5" | 11.4cm |
| Border Width (non-cabling side) | 2" | 5.1cm |
| Cable | 26.5" 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 |

IX510:64.64.04



KEY FEATURES

- High-resolution sensors with a 6.35mm pitch (resolution) and 4,096 sensing points
- Designed for high-quality pressure images with exceptional detail
- Excellent for both clinical and dynamic testing
- Durable sensor that is portable with plug and play functionality

REQUIREMENTS FOR OPERATION

- Each IX510:64.64.04 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.