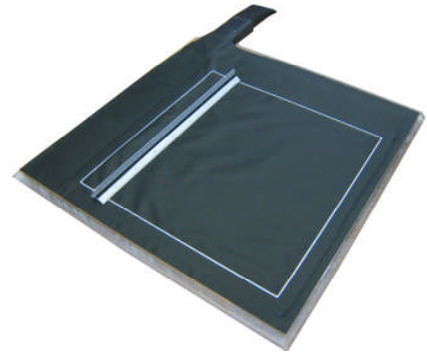


IX500:60.60.05

High Resolution Tyre Sensor

- Spatial resolution of 5.08mm
- 3,600 sensor points
- Excellent for static and dynamic testing
- High quality images provides excellent data capture
- High sampling rate



Product Overview – The X3 IX500:60.60.05 is a tyre sensor with 3,600 sensor points capable of producing high resolution images at data recording speeds of up to 27 frames per second

Specifications

Sensor Technology	Capacitive Pressure Imaging
Pressure Range	10-200psi / 0.703 – 14.061kg-cm ²
Spatial Resolution	0.2" / 5.08mm
Accuracy	<10% Full Scale
<u>Physical Characteristics</u>	
Total Sensor Area	17" x 17" / 43cm x 43cm
Active Area	12" x 12" / 30cm x 30cm
Border Width (Cable Side)	3.75" / 9.5cm
Boarder Width (Non Cable Side)	1.5" / 3.8cm
Cable Length	56.5" / 143.5cm
Ambient Temperature	10°C to 40°C
Ambient Humidity	5% to 90% RH

Description

The IX500:60.60.05 is a high pressure, high resolution tyre pressure mapping sensor for engineers and designers working in the motor sport, automotive and tire manufacturing industries.

It is a robust tyre pressure mapping sensor capable of high sampling rates which makes it suitable for dynamic tyre contact tests on multi post test rigs as well as static tyre profiling, chassis set up and development

Using this sensor it is possible to view and measure changes in tyre contact area with terrain input, when combined with test rig frequency data

Requirements for Operation:-

- Sensor must be connected to a X3 Pro sensor pack
- Sensor must be connected to a X3 Pro
- Sensor needs to be subsequently connected to a power supply and PC running XSensor Pro software