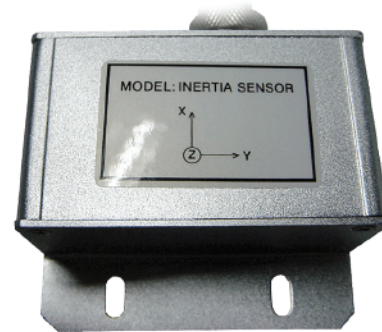


# XMRGSENSOR Inertial Sensor



## Main Features

- X, Y, Z total 3 dimensions measurement
- Rapid response, instantly acquire accelerated speed
- High sensitivity
- High reliability
- Excellent deviation stability
- Low power consumption
- Rugged design, solid structure, advanced shockproof



CE FC

## Overview

Inertia Sensor is an electronical device which is able to measure vehicle environmental temperature, accelerated speed during driving. It collects Mobile Video Recorder environment temperature through internal temperature sensor and trigger temperature alarm when temperature is higher than the threshold configured. If 3G is connected this alarm can be reported to CMS (Central Monitoring System). Based on the measured accelerated speed, it is able to simulate the driving condition such as car crashing, leaning, movement and vibration etc. Likewise, once the value is beyond the valued configured on Mobile Video Recorder GUI, the Mobile Video Recorder system will trigger alarm and this alarm can be reported to CMS as well if 3G is applied.

## Specification

Product Series		Inertial Sensor (G-force Sensor)
Acceleration	Direction	X,Y,Z 3 axis
	Measuring range	4/12 (G) optional
	Sensitivity	308mV/g OR 83.6mV/g
	Reaction time	0.5 millisecond
Temperature Sensor	Temperature Range	-40 - 110°C ± (0.30 + 0.006 t °C)
	Reaction time	< 250 millisecond
Communication		< 250 millisecond
Transmission period		100ms
Working Temperature		-30 - 70°C
Wire length		1050mm
Weight		78g
Dimension		72mm*66mm*28mm

## Dimension

