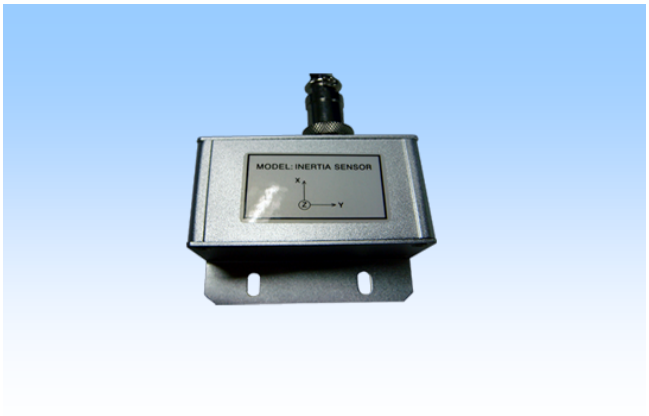
Inertial Sensor



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

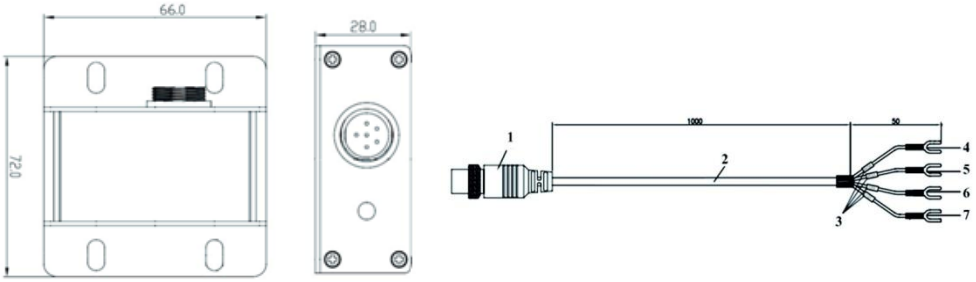
Overview

Inertia Sensor is an electronical device which is able to measure vehicle environmental temperature, accelerated speed during driving. It collects mobile device (MDVR) 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 MDVR GUI, the MDVR 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℃±（0.30+0.006|t|℃
	Reaction time	< 250 millisecond
Communication	RS-485	
Transmission period	100ms	
Power Supply	5V	
Working Temperature	-30° C～70° C	
Wire length	1050mm	
Weight	78g	
Dimension	72mm*66mm*28mm	

Dimension and Definition



1. Injection molding parts
2. Cable
3. Tag
4. 485B (Green Line)
5. 485A (White Line)
6. GND (Black line
7. +5V (Red Line)

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