



## Fleet Manager Impact Sensor

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Document Version 8.0 - Updated 24 February 2004

### Overview

The FM Impact Sensor is designed and developed to accurately detect and record any impacts to equipment. The severity of the impact is transmitted to the FM200 Plus on-board computer. Depending on the requirements the on-board computer can either log the impact, or a notification can be sent to the Fleet Manager, informing him of the accident.

### Features

<b>Robust and Water Resistant</b>	The FM Impact Sensor is for indoor and outdoor use.
<b>Impact Recording</b>	Monitors impacts from all lateral directions simultaneously
<b>Versatile Uses</b>	The FM Impact Sensor can be used to monitor different parts of a vehicle e.g. fork of a forklift or the axis to monitor harsh loading
<b>Vertical or Horizontal Mounting</b>	The unit can be mounted in either vertical or horizontal positions, to monitor different types of impact.
<b>Notifications</b>	Notifications can be set up to send a text-message the office when an impact with a high value occurs *requires GSM/GPRS

### Technical Information

<b>Supply Voltage</b>	9V – 100V DC	<b>Storage Temperature</b>	-40°C - +80°C
<b>Current Supply</b>	Less than 15mA	<b>Operating Temperature</b>	-40°C - +80°C
<b>Maximum Impact</b>	Typically 15G's	<b>Size</b>	65 mm x 42 mm

### Data Capture

The FM Impact Sensor outputs an analogue signal which is derived from acceleration.

The following data is recorded with every impact:

- The date and time of the impact
- Vehicle on which the impact occurred
- The driver of the vehicle
- The G-force value of the impact
- The direction of the impact (e.g. front, right, left-rear)



### Mounting

The FM Impact Sensor is an external device and is connected to the FM200 Plus via a cable. This makes it suitable and practical to mount it in sensitive areas that are not suitable for the FM200 Plus on-board computer. The FM Impact Sensor can be mounted either in a vertical or horizontal orientation, to record different types of impacts.

### Software

The Materials Handling Extension is used in conjunction with the Fleet Manager Professional 8 software to allow the Fleet Manager to generate reports reflecting the daily use of equipment / vehicles. The Materials Handling Extension includes the following: Utilisation, Event, Collision and Timeline Report and Graphs as well as a tool to plan shifts for equipment and report on the utilisation for that shift and more.

Please see the [Fleet Manager Materials Handling Extension](#) documentation for more information.

### Product Code

The FM Impact Sensor product code is X10-723-002-017.

