



Handling a complex world.

FM100

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Overview

The FM100 is the entry-level product for the Fleet Manager range. It offers an ideal solution for driver and vehicle management for a small fleet.

The FM100 records the most important events – over-speeding, over-revving, green band driving, harsh braking and excessive idling. The data can be transferred from the vehicle to the software using the green vehicle plug with minimum effort.



Features

Trip Data Recording	Standard recorded data includes:	<ul style="list-style-type: none"> • Engine Speed (RPM) • Trip start/depart/end time • Driver name and ID • Vehicle ID
Driving Violations	<p>The following five standard violations are recorded:*</p> <ul style="list-style-type: none"> • Over Speeding, Over Revving, Green Band Driving (low and high), Harsh Braking and Excessive Idling <p>* <i>It is not possible to define custom events on the FM100.</i></p>	
Driver Warning	A buzzer can be set to sound when an event occurs.	
Driver Identification	A driver tag (code-plug) is used to identify a driver. Starter circuit interruption is available.	
Servicing and Licensing	Reminders can be set when your vehicle's next service is due or when your vehicle / driver licence expire.	
On-board Memory (32 KB)	Up to 700+ trips, including event and violation data (caters for in excess of 30 days of driving @ 20 trips per day)	

Technical Information

Operating voltage	9... 16 V	Protection class	IP 54
Interrupter relay	max. 25A	Clock Component	Real Time Clock
Memory	32 KB EEPROM	Indicator	Integrated buzzer
Interface	I2C for the connection of the code-plug reader		

Event Parameters

Over speeding	• Speed > (x) where (x) is user defined
Excess idling	• Idling time longer than (time), where (time) is user defined
Over revving	• RPM > (x) where (x) is user defined
Harsh braking	• Deceleration < (x) where (x) is user-defined
Green band	• RPM < (x) or RPM > (y) where (x) and (y) are user defined
Trip start	• (Ignition "on" and driver identified) or speed detected or RPM detected
Trip end	• Rev = 0 and speed = 0 and no speed for longer than (time) where (time) is user defined between 3 seconds and 10 minutes

Data Downloading

Code Plug

The code-plug mechanism is the only means of extracting data from a FM100 unit. A 32Kb plug is inserted into the vehicle's code-plug socket, and then inserted into a download module connected to a computer.



Software

The FM100 can use one of two software packages:

- The **Fleet Manager Lite** software package is a simple application for the analysis and management of data recorded by the FM100.
- The **Fleet Manager Professional 8** client-server software application is designed to work in conjunction with the entire range of Fleet Manager Products, including the FM200 range of on-board computers and FM accessories. This sophisticated software package enables users to manage vehicle, driver and passenger information, manage and analyse event data and as well as do extensive management reporting.