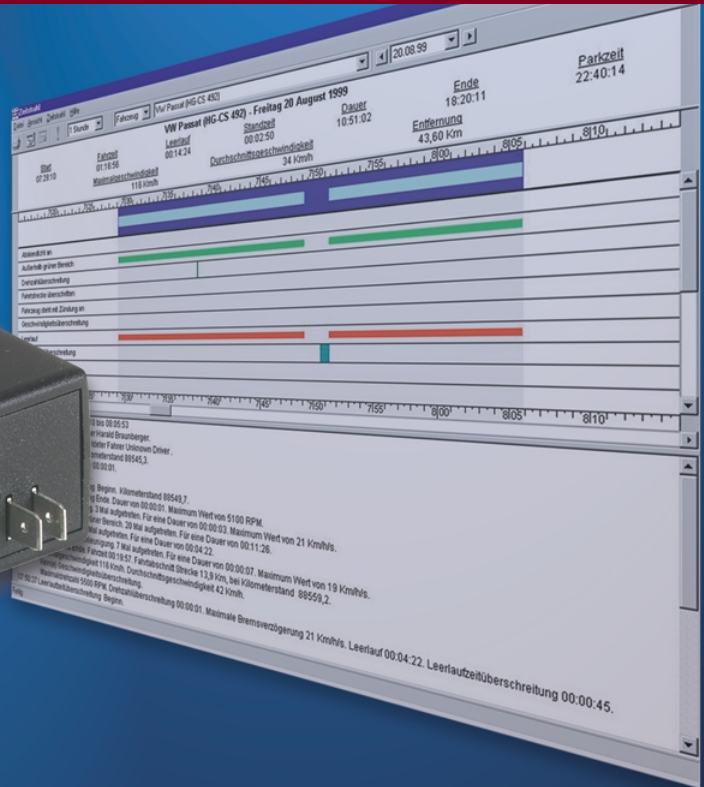




Handling a complex world.



# Fleet Manager 200

## Transparency and efficiency in your fleet

VDO FLEET MANAGER 200, the "big brother" among the Fleet Manager On-Board Computers, for recording driver and vehicle data as well as freely defined events. It is easy to install and stores all relevant data for the vehicle in question reliably and precisely. If desired, the starter interruption, present as a standard feature, can be connected to force drivers to log on.

## Flexible event definition

The major difference between the FM200 and FM100 is the capability of flexibly configuring events and transferring these to the on-board computer without additional aids. These events can be defined by the customer himself to his specific requirements.

## Simple, reliable and incorruptible

With a minimum of effort the data can be transferred with a data plug, DECT or GSM to the computer, where, beneath the additional hardware interfaces, they can be evaluated by the Fleet Manager Office Software (FM 2001 or greater).

## Ideal for all fleets

The FM200 can be installed in all earth-bound vehicles (except motorcycles) in the vehicle itself as well as in the trailer, in special vehicles, other machines, etc. It is suitable for vehicles with 12/24 Volt electrical systems.

## Modular and upgradeable

Additional vehicle equipment and information systems can be connected to the FM200 at any time:

- For driving / standing reasons as well as logistical data:
- FM Terminal - Performance data
- FM Info Driving reasons / Warnings

For vehicle and driver data that can be evaluated with the Fleet Manager Office software:

- Tachographs - Position of mode switches
- GPS Interface - Position data
- GSM-Module / FM Dect-Module - Data transfer
- Fuel flow meter EDM - Information on fuel consumption
- Accident data memory UDS - Emergency event
- Axle load measuring unit KIMAX - Loading state, axle load exceeded



# Fleet Manager 200

## Technical Information

Rated voltage	12/24 Volt Direct Current
Operating voltage	9 ... 36 Volts, max. 40 Volts for 1 hour, 50 Volts for 5 min.
Current consumption	30 mA (Standby Mode)
Operating temperature	- 20 °C...+70 °C
Storage temperature	-40 °C...+85 °C
Rel. humidity	Max. 95%
Clock module	RTC (Real Time Clock)
Backup	Lithium Battery
Memory	1 MB EEPROM (for trips, speedometer data, operating data and equipment drivers)
Inhibit relay	Max. 25 A
Signaling device	Summer (integrated into wiring harness)
Interfaces	I2C for connection to vehicle socket
Dimensions	145 x 90 x 30 mm
Weight	Approx. 170 g
Protection class	IP54

### Vehicle Speed Signal

Signal form	Square wave / sinusoidal signal
Offset (square wave)	-50 - +50 Volt
Voltage PP	> 0,5 Volt
Pulse duty ratio	1% - 99%
Frequency	Max. 5000 Hz
Overvoltage protection	+/- 600 Volt peak, +/- 50 Volt DC

### Engine Speed Signal

Signal form	Square wave / sinusoidal signal
Offset (square wave)	-50 - +50 Volt
Voltage PP	> 0,5 Volt
Pulse duty ratio	1% - 99%
Frequency	Max. 5000 Hz
Overvoltage protection	+/- 600 Volt peak, +/- 50 Volt DC

### 3. Frequency

Signal form	Square wave / sinusoidal signal
Offset (square wave)	-50 - +50 Volt
Voltage PP	> 0,5 Volt
Pulse duty ratio	1% - 99%
Frequency	Max. 10.000 Hz
Overvoltage protection	+/- 600 Volt peak, +/- 50 Volt DC

### Digital / Analog Inputs

Digital / analog inputs	4
Switching voltage	0 - 38,33 Volt (programmable)
Resolution	150 mVolt
Frequency	Max. 1 Hz
Overvoltage protection	+/- 600 Volt peak, +/- 50 Volt DC

## Set includes

Product designation FM200 KIT	
Order number	X10-723-002-004
Including FM200 Electronic Module	X39-723-002-029
Wiring harness with integrated buzzer FM200	X39-723-002-030
FM read-in vehicle inaterface with LED	X39-723-002-005
Blue driver's key (driver log-on)	X39-723-002-006

### Accessories (Not included with set)

Green data plug FM200, 96 Kb (Data key)	X39-723-002-057
Green data plug FM200, 256 Kb (Data key)	X39-723-002-033
Metal housing FM200	X39-723-002-031
One-way screws FM (4x)	X39-723-002-004
FM Splitter	X39-723-002-075
FM Dect vehicle kit	X39-723-002-010
FM Dect Base Station	X39-723-002-011

## Functions

### Recording driving data

As a standard feature the on-board computer records the following data:

- Beginning of trips with date and time
- End of trips with date and time
- Distance driven
- Length of route sections (sub-trips)
- Maximum vehicle speed during each trip
- Maximum engine speed during each trip
- Standing times
- Parking times

### Recording of times limits were exceeded

The following limits can be defined and recorded specifically for each

- Overspeeding
- Overrewing
- Harsh breaking
- Harsh acceleration
- Out of Green Band driving
- Excessive idling

### Recording of user-defined events.

In addition to the standard and system events specific user-defined events can be defined and recorded, for example:

- Vehicle standing, ignition on.
- Hoisting tailgate down
- Cooling temperature too low, etc.
- Trip in defined area

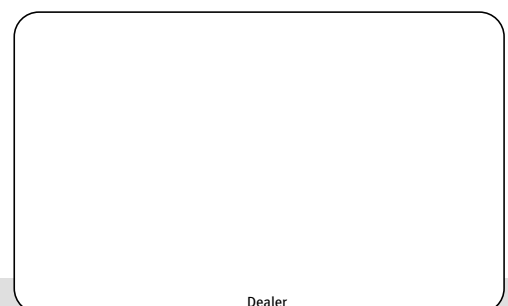
### Driver identification (optional)

Starter interruption to force drivers to log on with blue ID key.

### Acoustic and optical warning signals (optional)

In addition the driver can be given warning signals (buzzer and LED display) for:

- Malfunctions
- Memory full
- Violations



Dealer