

EDM eco

ECO Consumption Measurement System



www.siemensvdo.com

EDM eco is an interactive consumption measurement system that guarantees economical vehicle operation. Alongside current fuel consumption, average consumption and accumulated running costs are also displayed on the 40 x 90 Eco-Display screen. Using a pictogram, the current driving style is compared with the stored average values for town, country and motorway traffic. The save symbol lights up whenever driving style is particularly economical whereas the fuel hose nozzle signalises increased consumption. The optimisation of fuel consumption is made even easier by a sound signal which is freely configurable and can be used to remind the driver of the optimum gear-changing point, for example.

EDM eco is connected directly to the vehicle electronics, e.g. to the CAN bus or to the injection electronics, there is no need to tamper with the fuel cycle in future.

EDM eco is a modular system, the main components of which are the "ECO-Display" screen and a vehicle interface, the data logger "Fuel Gateway". Vehicle-specific cable harnesses with connection plugs for the vehicle electronics make installation easy and quick.

Apart from the well-known heavy-duty truck applications, the EDM eco can now be used for transporters as well and, for the first time, even for vehicles with petrol engines.

As well as an attractive design, the Eco-Display has extended functions which allow the driver and fleet manager, for example, to easily evaluate and correct driving style in terms of economy.

There is download software available for EDM eco for further data processing, allowing the data to be downloaded from the display into a PC and evaluated and archived as both driver-related and vehicle-related data.

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Functions

Basic functions:

- _ Overall consumption (0 - 9,999 l)
- _ Distance (0 - 9,999km)
- _ Average consumption (l/100km)
- _ Current consumption (l/100km)
- _ Average speed (l/100km)
- _ Driving time (0 - 9,999 h)
- _ Driving costs (0 - 9,999x)
- _ Independent trip / driver counter (0-99)
- _ PIN code protection

ECO functions:

- _ Consumption trend
- _ Average consumption for speed profiles (town, country, motorway)
- _ Acoustic signal (engine rpm exceeded, additional consumption)

Download functions:

- _ Driver/vehicle evaluation
- _ Archiving
- _ Vehicle ID no.
- _ Consumption profiles



Technical Information

Operating voltage	$U_B = 12 / 24V$
Operating temperature	- 30 °C - + 70 °C
Signal inputs	Speed, injection valve, EDC signal, CAN
Tachograph interface	Counter output (1-100 litre) U_B
On-board computer interface	Impulse output 5V (1-1000 impulses/litre)
Download interface	PC standard COM port serial RS232
Measuring accuracy	$\pm 3\%$, depending on calibration!

Article summary

Article description

- EDM Eco LKW
Complete package with display
- EDM Eco PKW & Transporter
Complete package with display
- EDM Eco Fuel Gateway
Vehicle interface with data logger
- EDM Eco Download
Download & archiving software

Article no.

- X10-140-400-010
- X10-140-400-011
- X10-140-400-012
- X39-140-400-001

Application

- for heavy-duty vehicles and transporters with EDC, CAN-controlled engines.
- for cars and transporters with petrol and TDI engines.
- in connection with tachograph and on-board computer, or download software
- in connection with complete package, or vehicle interface.