

New: Kienzle UDS 2.0

Square, practical and intelligent

http://www.vdo.com/news/iaa_nutzfahrzeuge/uds20_en.htm

Just in time for the IAA Commercial Vehicle fair in Frankfurt/Main, Mannesmann VDO is presenting a further development of the UDS accident data recorder. Kienzle UDS 2.0 is the name of a completely revised system for the recording and analysis of data. The new recorder is smaller, flatter and more intelligent. The black box measuring 10 centimeters by 10 centimeters now weighs only 175 grams and can be easily installed in any vehicle.

By comparison with the previous version, the UDS 2.0 offers a significantly larger memory. Up to twelve events together with the driving and standstill times can now be stored. The recording of driving data is a newly added feature. It gives a brief overview of the last 100 events with date and time, mileage counter reading, speed and the severity of the event; minor collisions during parking and data deletions are also documented. The last 200 times the ignition has been switched on and off are also recorded. The intelligent memory management of the Kienzle UDS decides whether and for how long an event is to be stored in the memory. As a general rule, the more serious an event, the longer it remains in the memory. Particularly when used in vehicle fleets, this additional information offers benefits with regard to the type and efficiency of the vehicle use and thus helps to organize the fleet perfectly.

Regular checking of the memory contents is not necessary. Above a given severity level, the Kienzle UDS continuously indicates that an event has been stored with an optical signal. In addition, every time the ignition is switched on, an acoustic signal sounds, giving information on the status of the UDS and its memory contents. After serious accidents, the Kienzle UDS transmits an emergency signal. Using suitable communication media, this information can be transmitted directly to the fleet management office.

Even if the vehicle battery is disconnected, stored data are not lost. An internal battery ensures that the data are retained. In addition, an emergency power supply ensures that the Kienzle UDS still records and subsequently stores the event data even in case the power supply is being interrupted due to an accident.

The internal sensors of the UDS detect the longitudinal and lateral accelerations and changes in direction of the vehicle. In addition, the UDS stores the speed and - via the 10 status inputs - when and for how long brakes, turn indicators, lights and - in the case of emergency vehicles - the blue light and siren were activated. An electronic protocol is thus created which documents the course of an event continuously, in real time and absolutely incorruptibly. Therefore, it can even be used as evidence in court.

Every accident and every case of damage results in direct and indirect costs: From the repair costs through expenses due to personnel absenteeism and non-availability of vehicles, lawyer fees and court costs right up to loss of earnings and rising insurance premiums. Independent studies conducted on fleets of both public authorities and private companies show clearly: The costs for vehicles equipped with UDS are around 20 percent lower than for vehicles without UDS.

Reading out of the data has become easier thanks to the direct read-out plug. For the further processing of the data, software programs running under the operating systems Windows 95/98/NT4.0 are now available. For use in vehicle fleets, VDO has developed the program UDShow which can be used to save the data and to display events and statistical data. The stored data can be displayed graphically in a variety of ways and also printed out. UDScience is designed for more detailed evaluations, such as by experts and accident inspectors. It is a professional tool offering a wide range of data analysis features which can be purchased in conjunction with a training course.

The Price for the UDS 2.0 without installation is DM 842,64 (Euro 430,84) including VAT.



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