



## The latest generation of accident data recorders

### UDS-AT<sup>PRO</sup>

UDS devices automatically record all event-relevant data in the case of accidents and accident-like events.

#### UDS-AT<sup>PRO</sup>\* and UDS push-button

The latest generation of the accident data recorder is the result of consistent further development.

Smaller dimensions, a flexible cable concept and the new connector seals simplify installation in any vehicle with a 12 or 24 volt electrical system, the USB interface ensures uncomplicated data handling.

The connection to the vehicle is either discrete or optional via the integrated CAN / CiA 447 interface.

The newly developed UDS push-button is both control unit and display. Splash water protection and disinfectant resistance make it ready for use in demanding working environments.

#### High-resolution 3D sensors

The UDS-AT<sup>PRO</sup> features two independently operating high-resolution 3D sensor systems to detect all movements of the vehicle.

#### Unique collision detection

The advanced collision detection algorithm enables the UDS-AT<sup>PRO</sup> to automatically distinguish between everyday situations, critical driving manoeuvres or an actual collision.

#### Intelligent event management

The intelligent event management distinguishes between four event types: triggered automatically, manually, externally or by a vehicle standstill.

As soon as the system recognises one of these event types, a permanent and tamper-proof recording of all event-relevant data takes place automatically.

#### Event data recording

In addition to accelerations and angular velocities, the UDS-AT<sup>PRO</sup> records important vehicle signals such as the use of the brake and the indicators or the status of the blue light and siren.

In relation to the time of triggering and the event type, the recording is based on time and/or distance. High-resolution data upon occurrence of an event depicts the exact course of an accident.

#### Statistics data recording

In addition, the UDS-AT<sup>PRO</sup> records statistical data on request, which can be used, for example, to consistently document the use of special signals (switch-on and switch-off time).

#### GNSS version

The GNSS version of the UDS-AT<sup>PRO</sup> also supplements all records and statistics with precise satellite-based position data.

\*Manufacturer: Swoboda Embedded Solutions GmbH, Germany

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### Accident analysis and accident reconstruction

The recorded data can be read out with the UDS-AT Software 2.0 and can be used by authorised experts for the analysis and reconstruction of accidents.

## Modular UDS-AT Software\*

### UDS-AT BASIC

For quick readout, display and management of data in the fleet.

- Functional test
- Basic display of events and statistics
- Backup and delete data

### UDS-AT SERVICE

For easy commissioning and maintenance of the accident data recorder in the workshop.

- Parameterisation and setup
- Firmware update
- Functional test
- Detailed display of events and statistics
- Backup and delete data

### UDS-AT SCIENCE

For the detailed evaluation of the recorded measurement data in the accident analysis.

- Detailed data analysis
- Data export
- Parameterisation and setup
- Firmware update
- Functional test
- Detailed display of events and statistics
- Backup and delete data

\*Manufacturer: KastSoft GmbH, Germany

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