

# exyPLUS<sup>®</sup>

## Short background about ExyPlus<sup>®</sup> and ISA:

ISA (**Intelligent Speed Adaptation**), is a traffic security concept run by the Swedish Road Administration, SRA, whose purpose is to reduce the number of traffic accidents. This is part of the zero vision stated by the government in Sweden.

ISA is a well tried technology notifying drivers of maximum speed permitted.

Speed is one of the most important factors in deciding the seriousness of a traffic accident.

70 out of 100 pedestrians that are hit by a car travelling at 50 km/h are killed. If the car is travelling at 30 km/h, then 90 out of 100 survive. Maintaining speed limits is therefore particularly important in built-up areas, where cars, buses and lorries interact with pedestrians and cyclists.

Drivers believe that ISA is - compared with physical measures such as road bumps - the best available system, along with police surveillance, to solve road safety problems on 50 km/h streets in urban areas.

Please also see SRA's movie about ISA. It is very informative and show Sepabs **ExyLimit**, the forerunner to ExyPlus with ISA functions only. <http://www.sepab.se/trafiksakerhet/exylimit.html>

**ExyPlus<sup>®</sup>** is, apart from ISA technology, also equipped with driver journal with the following opportunities:

- Automatic documentation for book keeping
- Documents and statistics
- A tool to separate Private- from Business Trips
- Route optimizing – does the vehicle drive the fastest way between two or several check points
- More efficient usage of the vehicles
- Very simple administration



**ExyPlus<sup>®</sup>** is automatically switched on when the vehicle is started. It is designed and installed so that it will not interfere with the rest of the electronics in the vehicle.

Using GPS technology the **ExyPlus<sup>®</sup>** unit registers the vehicle speed and compare with permitted speed at the current location. The display continuously shows the permitted speed limit for the road you are travelling on.

This speed data is taken from a road database containing information of all Swedish roads as well as parts of the European road network. If you exceed the speed limit there will be a sound signal.

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## ExyPlus® is today available in:

**Live version** - with real time positioning. Data communication between the vehicle and the office is wireless via GSM/GPRS. Automatic updates of data base. Automatic transmission to web server of drivers journal, ISA log file, AlcoBlock log and various statistics. Tracking – locate the vehicle.

Report from the vehicle with time and position i.e. mark of dangerous curve, service at a customer call finished etc.

**USB version** – Data transmission manually via USB memory stick.

## Quality aspects

In quality assuring transportations for businesses and organisations, **ExyPlus®** can be complemented with various types of monitoring tools for basic follow-up of transport policies and other voluntary undertakings.

- Drivers feel **ExyPlus®** can help out to become a better driver and less stressful.
- Road safety improves significantly.
- As a result of less repeated braking and stopping, travel time remain.
- A more even driving speed helps reduce fuel consumption and at the same time the CO<sub>2</sub> discharge.

## Sepab's History

**Sepab** Fordonsprodukter AB, founded in 1982 by the owner and President Sven-Erik Pettersson, has a large experience from the vehicle industry.

**Sepab** has developed special vehicle related products in the following areas:

**Traffic Security:** ISA – **ExyLimit®**, **ExyPlus®**, AlcoBlock, Seat belt reminder – access re-mounting.

**Driver Journal:** **ExyPlus®**, Electronic driver journal – wireless or USB.

**Electrical Systems:** Junction Box, Harnesses, Mosfet Relay "Power Switch", Battery Guard etc.

**Domestic adjustment:** Electrical Seat Heating, Day Light Running System, Universal Headlamp Cleaner etc. for the late market in the vehicle industry.

**Driver Comfort:** Lunch Box heater for vehicles 12 and 24 Voltage.

**Sepab's** strength is developed from a wide and long experience within technical development of electronical products in vehicle environment.

Since 25 years we have a very close cooperation with Car importers, PDI, Installers, SRA, Municipalities and large fleets.

We develop our products in accordance with market needs to retain a high quality and security in terms of connections, documentations and support. We develop products with user friendly and good functionality; as well as for the installer as for the end user.

**We look forward to hear from you!**

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