



E-Tabor

Open management and monitoring
of rolling fleet system



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Description of the system

E-Tabor he is a universal, configurable and modular system being used to manage and to monitor the rolling stock. He comprises among others from the follow of building blocks:

Electronic odometer- Installed on the cover of the "axle-box" stores introduced electronic sensor installation data descriptive of a wagon and carriage, and measures the distance covered by the railcar. The use of innovative sensor requires no external power or battery replacement. The data exchange is based on RFID technology.

FUNCTIONS AND ADVANTAGES

- ≡ registration of the course of the given pivot (of railroad car)
- ≡ information storage about railroad cars (number, owner, course, diameter of wheels, etc.)
- ≡ independent energy (without the battery)
- ≡ unattended
- ≡ compact (not being blatant)
- ≡ lack of ability of the interference in action
- ≡ quick and certain reading of data

Portable computer (RFID reader) - is used for a reading and a data record from electronic kilometers. It has a tactile, colour LCD screen. The device is allocated to the work in the field, and made available to the staff carrying checks of trains out, or the technical inspection. The read-out about the mileage of the given railroad car or next railroad cars in the train is taking place in the cordless RFID technology. in the portable computer it is possible in the simple way to move written Information also to the computer.

Functions:

- ≡ programming of a milometer (No. serial, of Idas, diameter of the wheel, level of the temperature etc.)
- ≡ reading data from the meter (course, date, hour etc.),
- ≡ data storage in the memory
- ≡ battery operated power supply

Database - thanks to the possibility of the fast and straight transfer of read data to the computer PC, user can extend the functionality building the extensive management system and of monitoring of railroad cars, through:

- ≡ more distant data handling
- ≡ sorting/grouping
- ≡ comparing readings, of data
- ≡ reporting
- ≡ data can be used in other programs

