



Spider G

System for the positioning, tracking of the vehicle
fuel consumption and the passed distance

PAUK-G is a system which enables vehicle fleet management for the purpose of rationalization of vehicle fuel consumption and prevention of possible misuses. The system consists of an electronic unit, a flow meter for the accurate measuring of the fuel consumption, and a PC with the appropriate software. The electronic unit and the flow meter are placed in a vehicle and the PC with the appropriate software designed for data gathering, processing and displaying, as well as for reports printing, is placed in the user centre. The exchange of data between the centre and the vehicles is done through the GPRS network.

Positioning of vehicles is realized through GPS receiver which is an integral part of the electronic unit. Tracking of the passed distance * (mileage) and the fuel level is realized through the CAN Bus interface which is also a part of the electronic unit and it is connected to the system CAN vehicle bus. Precise measurement of the fuel consumption is done through the flow meter which is connected to the electronic unit. Current position of every vehicle is visible on the georeferenced chart which is positioned within the installed software on the PC. Through the software option „History“ it is possible to see where vehicles were in previous period. Software provides an insight in the current fuel consumption of any vehicle, as well as average consumption for the selected period (day, week, month). All data can be tracked on the screen and printed in the form of the report.



* For vehicles of older production, which don't have CAN Bus, the calculation of the passed distance is done through the GPS coordinates.

Technical characteristics

GPS

16 channel receiver
Accuracy 2.5m
Start time < 34s

GPRS

GPRS multi-slot class 10
Support for multi-slot class 2

Flow meter

Operating voltag 6-16V DC
Consumption 12 mA
Output signal rectangular impuls Ulow<1V,
Uhigh>4V
Accuracy ±1% measured values per chamber
Resolution 322 impulses/l
Measurable fluid diesel, bio diesel
Pressure up to 16 bar
Vibration IP66/IEC 68-26
Operation temp -40°C - 125°C
Dimensions 52x77 mm
Weight 1.1 kg

Passed distance

* Resolution 5m * measured through the CAN Bus

