



NOZZLE READER

Automatic Authorization of All Kinds of Vehicles at the Fuelling Point.



MANAGE | AUTHORIZE | REFUEL | MEASURE

Swift Filling Station Management

Automatic Authorization of All Kinds of Vehicles at the Fuelling Point.



Your Benefits

- ✓ Possibility of mounting the transponder on any type of vehicle.
- ✓ Compatible with GK7Plus
- ✓ Optimization of your fleet management thanks to greater transparency and accurate calculation of usage.
- ✓ Almost total reduction of fuel losses, misuse and refueling errors.
- ✓ Greater efficiency in the flow of vehicles.
- ✓ Convenient and faster refueling.

Automatic Authorization of All Kinds of Vehicles at the Fuelling Point.

Automatic Vehicle Recognition.

Automate your refuelling process now with the help of NozzleReader and benefit from increased refuelling comfort, increased safety and an increase in vehicle performance.

Nozzle reader consists of the following components:

Nozzle unit for the fuel gun.

A vehicle-mounted transponder.

The receiver that connects to the GK-7Plus controller.

Communication between the components is wireless, allowing easy integration into existing pump architecture.

Thanks to its modular configuration, automatic vehicle recognition can also be customized to your requirements, thus contributing to the gradual optimization of your fleet management.

Operating Principle

- 1.** The nozzle unit on the fuel nozzle identifies the vehicle via the transponder installed in it.
- 2.** The nozzle unit wirelessly transmits the vehicle ID to the GK-7Plus controller. The authorisation process is initiated and refuelling starts automatically. When the driver removes the fuel nozzle, the refuelling process is interrupted (nozzle removed function).
- 3.** After refuelling is complete, the vehicle and refuelling process data are available to the back office.

Technical Data

Interfaces: RS 232, LAN, USB

Protection class: All components available in IP65 (PetroScan IP66)

Temperature range: -25 °C to +60 °C

Relative humidity: max. 95 % non-condensing

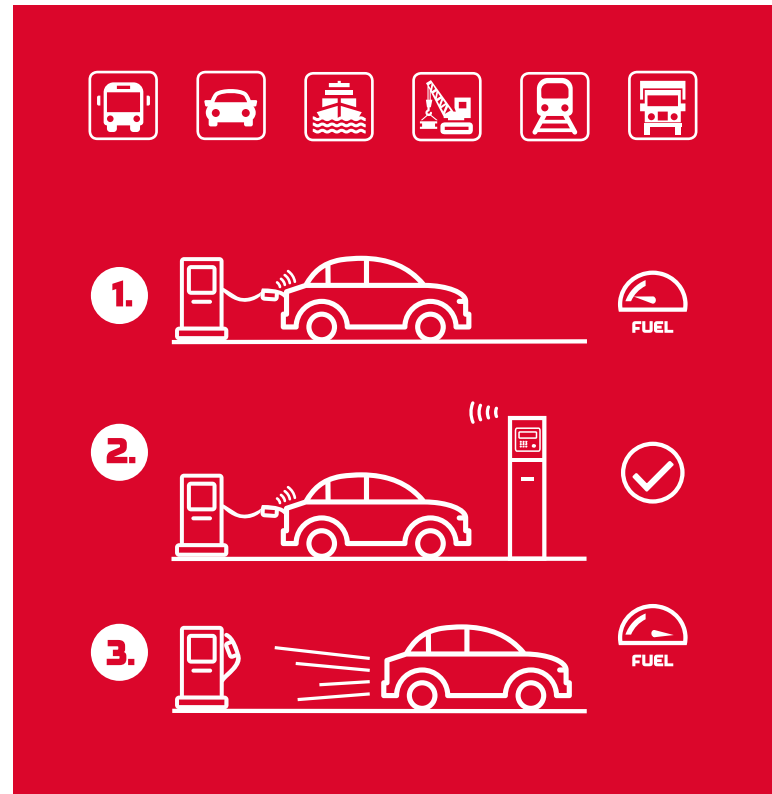
Transmission frequency: 433 MHz

Range: 15 m

Frequency Day: 125 kHz

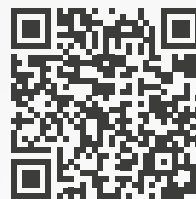
Atex: zone 0

Chemical resistance: PetroScan, nozzle unit, tags: petrol, diesel, mineral oil, salt, mist, vegetable oil



Vehicle Recognition (see Diagram)

Authorization is carried out by vehicle recognition. This requires a small transponder on the nozzle, a sending unit on the fuel nozzle and a receiver connected to the GK-7Plus controller. The controller will be connected to the pumps to be controlled.



Product video
in our website

www.gespasa.es



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