D⁺ DIESELPLUS
WWW.DIESELPLUS.NET

OWN CONSUMPTION

Supply Kits
+ GK-7Plus controller

- User Control
- Vehicle Control
- Consumption Control
- Purchase and Stock Control

Telematic control of supplies

Gespasa
FLUID TECHNOLOGY

GK-7Plus Controller

> USE

- Controller to be connected to and control one supply kit, allowing its use only to authorized personnel.
- Identification of users and/or vehicles through codes and/or identification key
- Supply with or without litre preset
- PC communication without cables · M2M
- Control and management on-demand Software (SaaS)

Optional Printer

mm (approx.)		kg (approx.)	
	410		17
550	400		

Optional Pedestal Base

> MODELS:

Codes		Users	Vehicles		Codes
25133	GK-7Plus of 60	60	60	+ Printer	25143
25134	GK-7Plus of 130	130	130	+ Printer	25144
25135	GK-7Plus of 1000	1000	1000	+ Printer	25145

> GK-7Plus TECHNICAL SPECIFICATIONS:

- **Supply:** 230 VAC 50 Hz · Built-in inlet supply filter
- **Frontal:** Alphanumeric LCD Display of 4 lines and 20 characters
- Key **Reader**: Optional: Magnetic or proximity cards
- **Keyboard:** 14 keys
- **Consumption:** 30 W
- **Temperature on service:** from 0 to 40 ºC
- **Relative air Humidity:** among 20 and 80 %

GK-7Plus Controller Features

> The GK-7Plus controls:

- Supply hours and dates
- Users
- Vehicles
- Supplied litres by users and/or vehicles
- Kilometrage / Milleage (or hours) and consumption
- Tank litre Stock

> The **consultation and configuration** operations can be made from the computer, through the GK-7 software or directly from the supply kit if you have the supervisor code or key. Then you can:
- Type or delete users and/or vehicles
- Assign or change user and/or vehicle codes or keys
- Calibrate the kit
- Consult the done supplies
- Consult and regularize the tank stock
- Export the information managed by the program to Excel or txt formats to be exported to other data base systems or programs;
- Access the information control through permissions for different user profiles

> Differents ways of use:

The kit allows defining different stages to be adjusted to the customer's requirements:

> **User identification:** it only identifies the users. It is specially useful for cooperatives where you only want to identify the person who is supplying.

> **Vehicle identification:** it only identifies the vehicles. It is specially useful for installations where you only want to identify and control the vehicles and their consumption, without identifying the users.

> **User and Vehicle identification:** it is the most complete system, and it is offering a higher security level. It is specially useful for installations with a high number of users and/or vehicles, or where the users often change the vehicle.

identification key

> OPTIONAL ACCESSORIES

- GK-7 identification key (pack of 10 units)	251201002	- 500 W ON-LINE UPS	805001002
- GK-7 memory key (red)	251201001	- PG-9 Continet tube	807609004
- Memory key Converter	251208003	- 4x0.25 m shielded cable	800902001
- Hexagonal Pedestal Base	800400013	- Thermal printer with automatic paper cut	

COMPACT 46Plus · COMPACT 88Plus

IDENTIFICATION:
- through PIN code or
- through identification key

Protected switch

Manual mode key to supply in a case of an emergency

> **COMPOSED OF:**
COMPACT 46Plus · AG-46 0.25 kW - 50 l/min pump
COMPACT 88Plus · AG-88 0.74 kW - 80 l/min pump
- Self-suction, eccentric with self-adjusting blades
- Motor: 230 VAC self-ventilated · singlephase
- IP-55 protection

* *Please ask for other models at 12 VDC*

Pulser
- MGI-110 · **Accuracy: ±0.5 %**

> **IT IS SUPPLIED WITH**
- 4 m Ø25 mm diesel delivery hose of double layer with adapter in both ends
- PA-60 · Automatic nozzle with swivel

> **OPTIONAL**
- F1" aluminium flange
- Pedestal Base (1 m height)
- FG-100 · Transparent Micro-filter of 2-litre capacity

kg (approx.) 22.5-32.5

mm (approx.) 405 | 405 | 405 | 460

	Users / Vehicles	Codes
50 l/min COMPACT 46Plus-60	60	28541
COMPACT 46Plus-130	130	28552
80 l/min COMPACT 88Plus-60	60	28501
COMPACT 88Plus-130	130	28512

2. Frontal hinged panel for a better access to its inner

3. Connection detail of the pump to the meter

1. Easy lateral access to the inner to carry out the kit maintenance without disconnecting the hose.

■ **Optional** Pedestal Base

> ## Additional Kits

> **MICROFILTERS**

> **FG-300/15**

> **FG-100**
Capacity: 2 litres · 5 µm

> **FG-150**
Capacity: 10 litres 5 µm
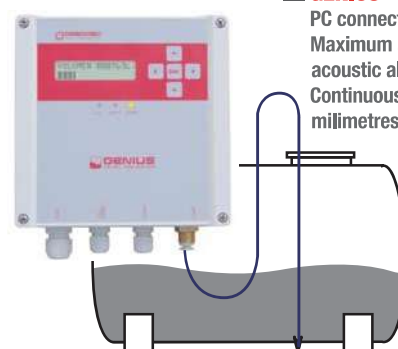
Capacity: 15 litres 15 µm

> **GENIUS · LEVEL GAUGE**
PC connection
Maximum and minimum acoustic alarm
Continuous level indicator, in milimetres or litres

TOTEM-46Plus · TOTEM-88Plus

±0.5%

PC connection

> USE

- **The TOTEM PLUS electronic supply kits are suitable for the diesel supply, measurement and control of the own consumption vehicles.**
- The pumping and measuring kits are weatherproof because its column chassis, which can be directly fixed to the ground without bases or additional accessories, is made of brilliant stainless steel, and its steel cover is painted in brilliant epoxid paint, with a special interior and exterior treatment against corrosion.
- They are suitable for transport companies, private vehicle fleets, agricultural companies, Public Works and so on.

> COMPOSED OF:

- Column chassis made of steel with brilliant epoxid paint. Special interior and exterior treatment against corrosion. Weatherproof.
- Pumping kit (according to the model) composed of a self-suction, eccentric pump of self-adjusting blades with recirculation bypass
- DIESELPLUS Software
- 4 m Ø19 or 25 mm (according to the model) antistatic delivery diesel hose with adapters in both ends
- PA-60 or PA-80 automatic nozzle (according to the model)

> On-demand SOFTWARE (SaaS) Features:

- Controller kit to connect and control one dispenser, only allowing authorized people its use
- User and/or vehicle identification through codes and/or identification key
- Supply with or without litre preset
- Wireless PC Communication through the Internet · M2M
- On-demand Software (SaaS) of control and management

TOTEM-PLUS — WIRELESS — INTERNET — PC

This online service does not need the application installation and can be used from any computer connected to the Internet at any moment.

MULTI-USER: It lets the different users enter into data at the same time.
MULTI-INSTALLATION: It allows controlling several installations simultaneously.
AUTOMATIC UPDATES: As it is an online service, the user always has the new version and its update immediately.
SAFE DATA:
Any done supply is automatically communicated with the DIESELPLUS servers.
This minimizes the data loss risk which may happen if there is a breakdown of the controller or the dispenser, or if the end user has any problem with their IT equipment.

mm (approx.) 1500
340 400
kg (approx.) 50-57

> OPTIONAL ACCESSORIES

- GK-7 Identification key (pack of 10 units)	251201002
- PC memory key Converter	251208003

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	GK-7Plus	Users Vehicles	Flow l/min	
■ TOTEM 46Plus-60	●	60	45	27212
■ TOTEM 46Plus-130	●	130	45	27213
■ TOTEM 46Plus-1000	●	1,000	45	27215
■ TOTEM 88Plus-60	●	60	80	27222
■ TOTEM 88Plus-130	●	130	80	27223
■ TOTEM 88Plus-1000	●	1,000	80	27225

SH-70Plus · SH-130Plus   1 or 2 hoses

> ### USE

- **Supply kit with ATEX components, special for diesel, petrol and kerosene supply installations**
- This kit is composed of an hydraulic group of high accuracy and the GK-7Plus own consumption controller.

> ### COMPOSED OF:

> ### CHASSIS

- Made of steel
- Special interior and exterior treatment against corrosion
- Painted with brilliant epoxid paint
- Weatherproof

> ### HYDRAULIC GROUP composed of:

Pump
- Self-suction, eccentric with self-adjusting blades with gas separator
- Flow (approx.): **70–80 l/min** (SH-70Plus · SH-70PlusD)
- Flow (approx.): **130 l/min** (SH-130Plus · SH-130PlusD)
- Recirculation bypass valve
- Check valve
- Filter

Meter
- Made of aluminium of 4 pistons with positive displacement
- **Accuracy: 0.2 %**
- Pulser of 2 channels of 100 pulses per litre and mechanical totalizer

Motor
- 1 kW 230/400 VAC · EExd motor with ATEX certificate, triphase, with IP-55 protection; or
- 0,90 kW 230 VAC · EExd motor with ATEX certificate, single-phase, with IP-55 protection

Mechanical meter in its interior

Base built-in to the supply kit

> ### IT IS SUPPLIED WITH

- 1 or 2 Ø25 mm delivery double layer diesel hoses with coupling in both ends of 4 m
- 1 or 2 PA-80 · Automatic nozzles with swivel (SH-70Plus · SH-70PlusD)
- 1 or 2 PA-120 · Automatic nozzles (SH-130Plus · SH-130PlusD)

> ### OPTIONAL

- 500 W ON LINE UPS — 805001002
- PA-80 · Automatic unleaded petrol nozzle — 47251
- 4 m hose with couplings in both ends special for unleaded petrol — 803406009
- FG-150 · Microfilter of 10 litre capacity · Microfiltration of 5 µm (micron) — 66050
- FG-300/15 · Microfilter of 15 litre capacity · Microfiltration of 15 µm (micron) — 66192
- Flexible suction tube with 2" flange — 807610002
- Identification key *(pack of 10 units)* — 251201000

1 HOSE

mm (approx.) 1500 / 500 / 400
kg (approx.) 103

	70-80 l/min		70-80 l/min + PRINTER (SHK-70PlusIT)		130 l/min	130 l/min + PRINTER (SH-130PlusIT)
	SH-70Plus		**+ PRINTER (SHK-70PlusIT)**		**SH-130Plus**	**+ PRINTER (SH-130PlusIT)**
	Single-phase	Triphase	Single-phase	Triphase	Triphase	Triphase
130 *users* **130** *vehicles*	code 26396	code 26395	code 26403	code 26402	code 26455	code 26456
1000 *users* **1000** *vehicles*	code 26433	code 26432	code 26443	code 26442	code 26462	code 26463

2 HOSES

mm (approx.) 1,500 / 800 / 500
kg (approx.) 157

	70-80 l/min		130 l/min	70-130 l/min
	SH-70PlusD		**SH-130PlusD**	**SH-70/130PlusD**
	Single-phase	Triphase	Triphase	Triphase
130 *users* **130** *vehicles*	code 26415	code 26414	code 26471	code 26484
1000 *users* **1000** *vehicles*	code 26425	code 26424	code 26491	code 26485

*Ask for other models.

> **Total control of: DISPENSER-SUPPLIES-USERS-VEHICLES**

> **DIESELPLUS.NET** is the new generation of On-Demand Software (SaaS) for the fleet and supply management.

> As an online service it does not need the application installation and this can be used from any computer connected to the Internet at any time.

> The main DIESELPLUS.net function is to manage vehicle supplies like lorries, coaches, taxis, vehicle fleets and so on, being able to be applied to other type of applications like the supply of water, chemical products or other type of fluids.

> The control tools such as the supply list by vehicles or users, among others, allow knowing the exact costs of each unit and even if there is any irregular consumption.

> DIESELPLUS also gives different tools to manage the stock, the suppliers, the vehicles and its maintenance, the users...

> This Software is compatible with any dispenser or supply kit which has built in the GK-7 controller (being necessary an adaptation) or the GK-7Plus controller.

> **FUNCTIONALITIES:**

> AUTOMATIC WIRELESS COMMUNICATION!
The dispensers with GK-7 controller are automatically communicated M2M with the DIESELPLUS servers. This communication is automatic without any user.

> MULTISTATION
One or more users can control different dispensers, which could be placed in different geograhical zones and share or not users and vehicles.

> MULTIUSER
The software can be used by different users at the same time. Each user will be able to access only to the areas that have previously been assigned to them.
For example, there may be a user who makes the user and vehicle control, and another one who controls the fuel purchases and stock.
For the shared service management (like the stock control...), it can be established a hierarchical level of operators with different privileges and restricted accesses (Administrator, Supervisor, final user...).

> MULTIACCESS / MULTIINSTALLATION
All the users who have user name and password can access the DIESELPLUS Software from any computer connected to the Internet at any time.

It is allowed to manage the information of many installations from the same operator.

> SAFE DATA
Any supply is communicated with the DIESELPLUS servers in an automatic way.
This minimizes the risk of data loss, which could cause the controller/dispenser breakdown or the problems of the end user computing kits.

> REPORTS
It lists reports and statistics for an easy interpretation of the information regarding to the users, vehicles, consumptions...

> AFTER-SALES SERVICE – E-MAIL OR PHONE
Direct email for the after-sales service or phone number to solve any doubt or incidence.

> AUTOMATIC UPDATING
The user will always have the last updated program version in an automatic way without making any type of intervention.

> **MAXIMUM CONTROL AND INFORMATION**

Every installation works in an autonomous way and can control:

> User and vehicles: Loss reduction and easy detection of irregular consumptions.

> User identification and card: Complete card of the installation users with their consumption history.

> Vehicle identification and card: Complete card of the vehicles. Supply control and high consumption alarms.

> Supplies made in the installation: Management of all the supplies made in the installation registering the hour, the date, the product, the supplied quantity, the user and the vehicle for its control.

> Control of kilometres/milleages, hours and consumptions

> Installation tanks and products: Stock control, cost prices and stock valoration.

> Input movements and stock regularization: Register of the tank inventory and purchase documents as well as the prices and the suppliers.

> Data Export: All the data are able to be exported in Excel or *.txt files.

> Password: It is possible to limit the software permissions for each user and only assign the tools each one of them must see or use.

> **Lists:**
> It is possible to compare the different user and vehicle consumptions and quickly detect the irregular consumptions with these lists.
> You can select among different options of lists like the litre total by each user, each vehicle, all the detailed supplies and so on.

USER SERVICES — Trans Demo LOGO

Trans Demo
Partida Horta d'Amunt s/n
25600 Balaguer
Lleida
Id. Fiscal: A25031154
Telf.: 973451072 -
Fax: 973445000 e-mail: dieselplus@gespasa.es

Stations:	All stations	User group:	All	Starting date:	01/03/2009
Own station:	Balaguer	User:	All	End date:	15/03/2012
Console:	All	Vehicle group:	All	Bonus:	All
Product:	All	Vehicle:	All		

User name		Number	Tax identification	Mobile phone	User group				

CARLOS BARBOS JUAN — 10 — SECCION 1

Date	Vehicle	km/hours	Station	Console	Product	% Bio	Amount	Consumption
04/03/2012 16:43:00	9863-DSW	231509 Km	Balaguer	CONSOLE	DIESEL	0,00	320,120	0,00
06/03/2012 15:34:00	3421-BVC	23602 Km	Balaguer	CONSOLE	DIESEL	0,00	33,230	7,27
12/03/2012 13:06:00	0098-CDL		Balaguer	CONSOLE	DIESEL	0,00	28,900	0,00
Service number:	3						382,250	

LUIS HERREROS DIEZ — 2 — SECCION 1

Date	Vehicle	km/hours	Station	Console	Product	% Bio	Amount	Consumption
03/03/2012 18:56:00	5412-CVF	4561 h	Balaguer	CONSOLE	DIESEL	0,00	741,000	0,00
Service number:	1						741,000	

MIGUEL ORTIZ OSCA — 1 — USUARIOS GENERAL

Date	Vehicle	km/hours	Station	Console	Product	% Bio	Amount	Consumption
02/03/2012 8:56:00	3421-BVC	23145 Km	Balaguer	CONSOLE	DIESEL	0,00	45,890	0,00
11/03/2012 19:12:00	3421-BVC	23908 Km	Balaguer	CONSOLE	DIESEL	0,00	42,450	13,87
Service number:	2						88,340	

MOISES BERMUDEZ ROCA — 5 — USUARIOS GENERAL

Date	Vehicle	km/hours	Station	Console	Product	% Bio	Amount	Consumption
02/03/2012 9:36:00	0098-CDL		Balaguer	CONSOLE	DIESEL	0,00	15,450	0,00
02/03/2012 10:36:00	GI-4130-BN	145671 Km	Balaguer	CONSOLE	DIESEL	0,00	690,450	0,00
04/03/2012 19:46:00	1290-FCB		Balaguer	CONSOLE	DIESEL	0,00	25,450	0,00
05/03/2012 12:16:00	GI-4130-BN	147020 Km	Balaguer	CONSOLE	DIESEL	0,00	720,320	53,40
06/03/2012 16:49:00	1290-FCB		Balaguer	CONSOLE	DIESEL	0,00	28,980	0,00

15/03/2012 15:44:30   DIESELPLUS   1/2

> The dispenser range with the GK-7Plus controller has an automatic **wireless** communication without any user intervention.

Because of being an online service, it does not need the application installation and can be used from any computer connected to the Internet at any moment.

Multi-user: It allows the access to the different user data at the same time.
Multi-installation: It allows the control of several installations in a concurrent way.

Automatic updating: Because of being an online service, the user always has the new versions and updates immediately.

• Automatic **WIRELESS** communication M2M

• ON-DEMAND SOFTWARE (SaaS)

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