

# GENIUS GAUGE

## LEVEL INDICATOR WITH DISPLAY



- ✓ Control unit
- ✓ Acoustic alarm
- ✓ PC communication or communication to DieselPlus software cloud



PRODUCT VIDEO IN  
OUR WEB SITE

# GENIUS GAUGE

The Genius gauge is a level monitor in atmospheric tanks. The level measurement is made by measuring the static pressure of the liquid height.

## Application

- Level monitor in atmospheric tanks.
- The level measurement is made by measuring the static pressure of the liquid height through a tube into the tank.
- It allows you to measure the level in rectangular and cylindrical, horizontal or vertical tanks with a maximum height of 4 m.
- Level reading in height (mm or inches) or volume (litres or gallons)
- It is suitable for liquids with a maximum viscosity of 30 cSt.\*  
\*It is not suitable for installations with ATEX classified zone.
- PC communication with desktop software GKSuite or communication to DieselPlus cloud software.
- Communication to any PLC or external device via MODBUS RTU

## Technical specifications

|                               |                               |
|-------------------------------|-------------------------------|
| Power                         | 230 VAC · 110 VAC · 15-32 VDC |
| Protection                    | IP-55                         |
| Resolution                    | 5 mm                          |
| Accuracy                      | ±1% (in height)               |
| Weight                        | 2.5 kg                        |
| Dimensions<br>LxWxH (approx.) | 160x60x185 mm                 |

## Models

- For diesel and other non-corrosive liquids

|                         |               |
|-------------------------|---------------|
| <b>GENIUS 15-32 VDC</b> | 25737-CF00003 |
| <b>GENIUS 110 VAC</b>   | 25737-CF00006 |
| <b>GENIUS 230 VAC</b>   | 25737-CF00000 |

- For lubricants of viscosity 30-1,000 cSt

|                            |               |
|----------------------------|---------------|
| <b>GENIUS-LUBE 230 VAC</b> | 25737-CF00001 |
|----------------------------|---------------|

- For AdBlue/DEF or phytosanitary fluids

|                            |               |
|----------------------------|---------------|
| <b>GENIUS-INOX 230 VAC</b> | 25737-CF00002 |
|----------------------------|---------------|



# GENIUS GAUGE

## Composed of

| Control unit                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                                                                                                                       | LCD display of 16x2 characters                                                                                                                                                                                                                                                                                                                                                                                 |
| 2                                                                                                                                                                                       | 5-key keyboard to access the kit menu                                                                                                                                                                                                                                                                                                                                                                          |
| 3                                                                                                                                                                                       | Indicator set: <ul style="list-style-type: none"> <li>• Full: full tank alarm</li> <li>• Empty: empty tank alarm</li> <li>• Power: it shows the kit is switched on.</li> </ul>                                                                                                                                                                                                                                 |
| Tube to install on the tank                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• 10 m of tube (extending at 50 m maximum) of Ø6 mm</li> <li>• Ø25 mm weight that is immersed in the liquid until touching the bottom</li> </ul> |                                                                                                                                                                                                                                                                                                                                                                                                                |
| Connections and cables                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4                                                                                                                                                                                       | Cable 230 VAC 50/60 Hz · 110 VAC · 15-32 VDC                                                                                                                                                                                                                                                                                                                                                                   |
| 5                                                                                                                                                                                       | Connection cable of the two outputs for full or overfilled tank alarm and empty or minimum level <ul style="list-style-type: none"> <li>• Two contacts to connect two alarms or control devices</li> <li>• According to the programmed alarm levels, the control unit will activate or deactivate the contacts, acting as a remote switch for activation of the connected alarm or control devices.</li> </ul> |
| <b>RS-485 communication cable</b>                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                |
| 6                                                                                                                                                                                       | Communication through Modbus RTU or GESPASA software*<br>*Refer to options of GESPASA software: GKSuite or DieselPlus                                                                                                                                                                                                                                                                                          |
| <b>Connection for the tube installed in the tank</b>                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                |
| 7                                                                                                                                                                                       | Acoustic alarm in its inner of 90 dB and 2400 Hz                                                                                                                                                                                                                                                                                                                                                               |

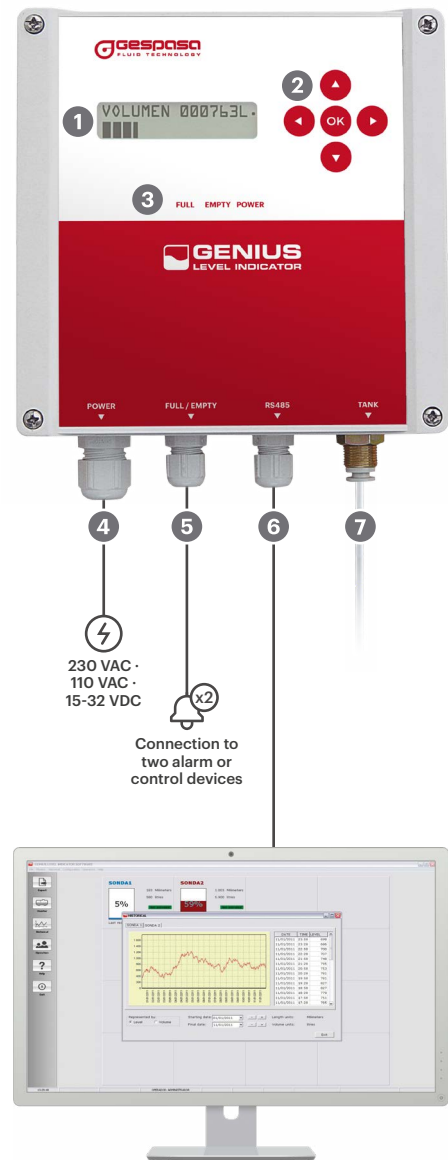
## GKSuite · PC communication

The Genius level indicator can be connected locally in a computer with the GKSuite desktop software.

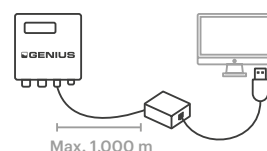
### PC COMMUNICATION KIT + GKSUITE DESKTOP SOFTWARE

|                                                  |           |
|--------------------------------------------------|-----------|
| Communication kit via CABLE USB                  | 257310000 |
| Communication kit via ETHERNET                   | 257330000 |
| Communication kit via ZigBee-USB (wireless)      | 257360000 |
| Communication kit via ZigBee-Ethernet (wireless) | 257370000 |

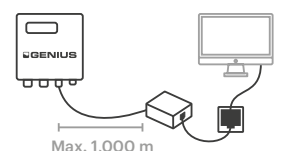
• Up to 16 Genius connected in a communication kit.  
 • Software and converter included in the kit.  
 • GKSuite allows: visualization of the tank level, automatic warning of the maximum and minimum alarms. Automatic emails of maximum or minimum alarm. Licences per user, level history, alarm history, data export to \*.txt o \*.csv. Configuration of the tank type and capacity.\*  
 \*More information about the software in the technical sheet: 'GKSuite Software'



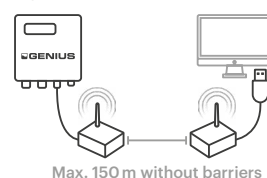
USB cable communication kit



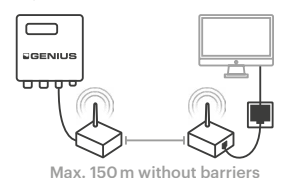
Ethernet cable communication kit



ZigBee-USB communication kit



ZigBee-Ethernet communication kit



# GENIUS GAUGE

## Tank Modem Plus Kit · Communication to the DieselPlus cloud software

- The Tank Model Plus is a GPRS modem that transmits information automatically to [www.dieselplus.net](http://www.dieselplus.net)
- Supplied with antenna, support and global SIM\* for communication.  
*\*SIM compatibility with your country should be checked.*
- The modem can be configured to be connected to different devices or level gauge models.
- It captures the provided level reading through the level indicators and transmits the data to [www.dieselplus.net](http://www.dieselplus.net).
- In DieselPlus the litres are shown according to the configuration of the tank or table of calibration entered in the software.
- Up to 16 Genius connected in series.
- The Kit is compatible with Genius level indicator, Dolphin, Progauge, Veeder-Root, ATG, Petrolevel, TLC.

### TANK MODEM PLUS KIT (antenna + support + SIM)

258000000

### Software License

- Allows you to access and use the DieselPlus software.

### TANK MODEM PLUS software annual license

670800000

### Optional

#### 485/USB CABLE CONVERTER

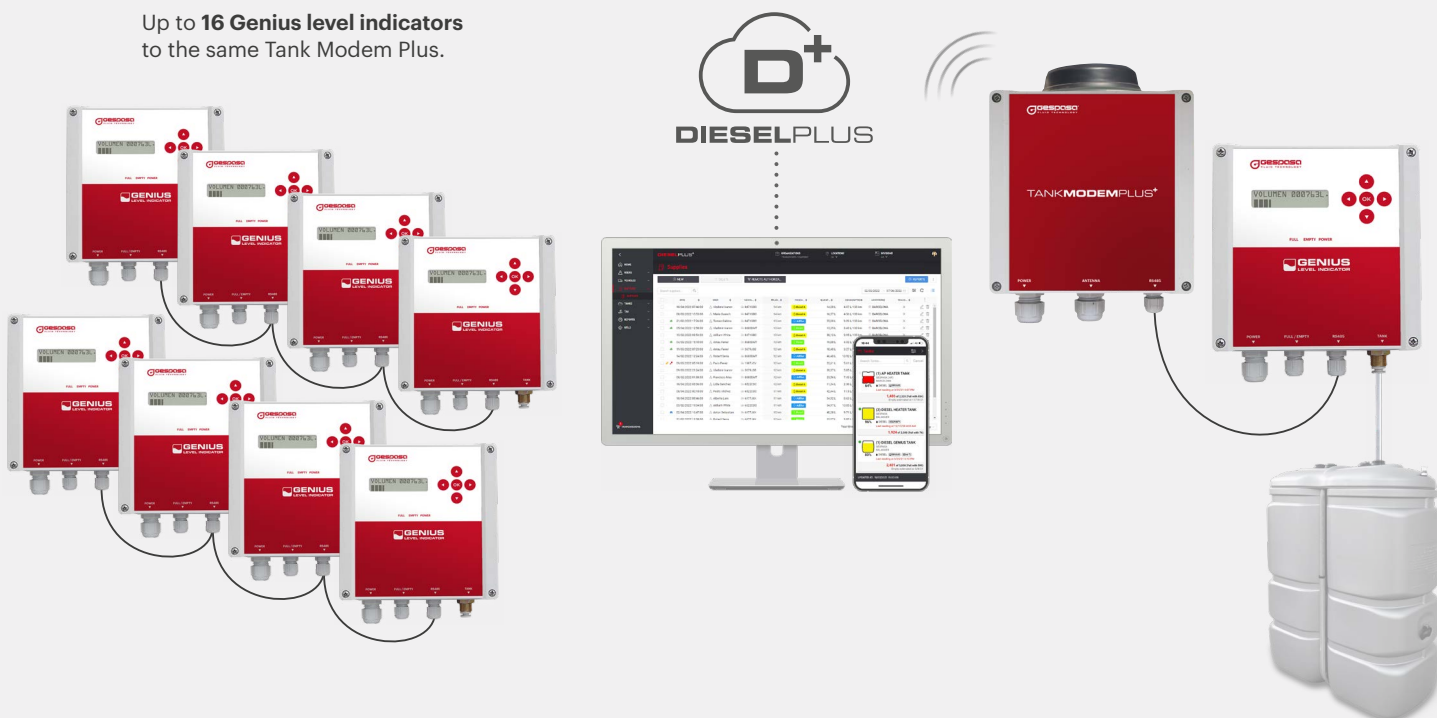
\*Tool required to configure the modem locally (no remote connection) in countries where communication remote is not possible. Consult.

251208032

### FEATURES

|              |                                      |
|--------------|--------------------------------------|
| Power Supply | 230 VAC                              |
| Output       | RS485 for level indicator connection |

Up to **16 Genius level indicators**  
to the same Tank Modem Plus.



# GENIUS GAUGE

DieselPlus · Cloud software for the management of supplies, users, vehicles and levels of your tanks

## The new generation of On-Demand software (SaaS) for the fleet and supply management

DieselPlus is the 'on demand' cloud software that allows to check and manage of the data obtained by the Tank Modem Plus + Level Probe.

The software does not require of instalation and you will be able to access from any device with Internet connection, from anywhere, anytime.

## MAIN FUNCTIONALITIES

**APP.** Check through the 'Dieselplus Tanks' App from your smartphone.

**Automatic wireless communication.** The dispensers with GK-7Plus 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 geographical 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 been previously assigned to them. It can be established a hierarchical level of operators with different privileges and restricted accesses.

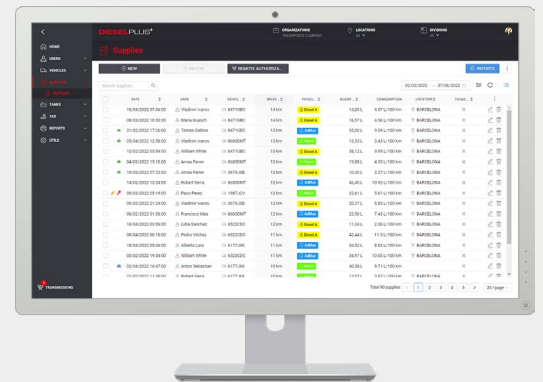
**Multiaccess/multiinstallation.** All the users who have user name and password can access the DIESELPLUS software from any computer connected to the Internet at any time. It is allowed to manage the information of many installations from the same operator.

**Safe data.** Any data is automatically communicated with the DieselPlus server.

**Report issue.** Lists and statistics for an easy interpretation of the information regarding to the alarms, levels, history and so on.

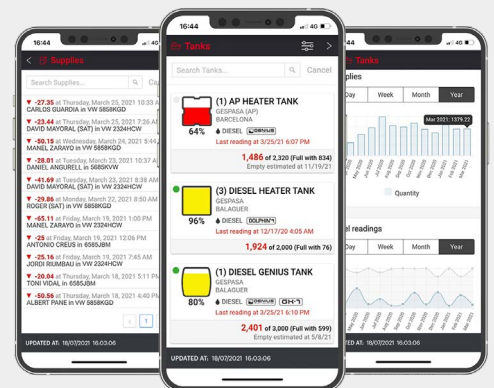
**After-sales or technical service · E-mail or phone.** Direct email or telephone number for the after-sales service in order to solve any doubt or incidence.

*\*More information about the software in the technical sheet: 'DieselPlus Software'*



## DIESELPLUS<sup>+</sup>

-  AUTOMATIC UPDATES
-  ONLINE ASSISTANCE
-  SUPPLY LIST
-  LEVEL READING
-  ALARM CONFIGURATION
-  HISTORY
-  DATA EXPORT



# GENIUS GAUGE

Ref. 20230508.V5



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