

TLC · Tank Level Control

Level gauge for mobile or static tanks



- ✓ Control of level and fuel consumption
- ✓ Prevention of fuel theft
- ✓ Control of fuel fillings and supplies of the tank



TLC · Tank Level Control

The TLC level gauge allows to control the fluid level of your tanks from any device with the Internet connection. It configures and receives automatic alarms in your email.

Functionalities

- › Perform the periodic measurement of the fluid level in a tank
- › Consult the levels through the web site: www.dieselpius.net or the "Dieselpius Tanks" app, available for Android and iOS
- › Configure automatic alarms of level in your email: filling, minimum level, irregular emptying, etc.

Application

- › The TLC is intended for the measurement of the fuel volume in the vehicle tanks or fixed installations
- › TLC is used with connection to the web site www.dieselpius.net.

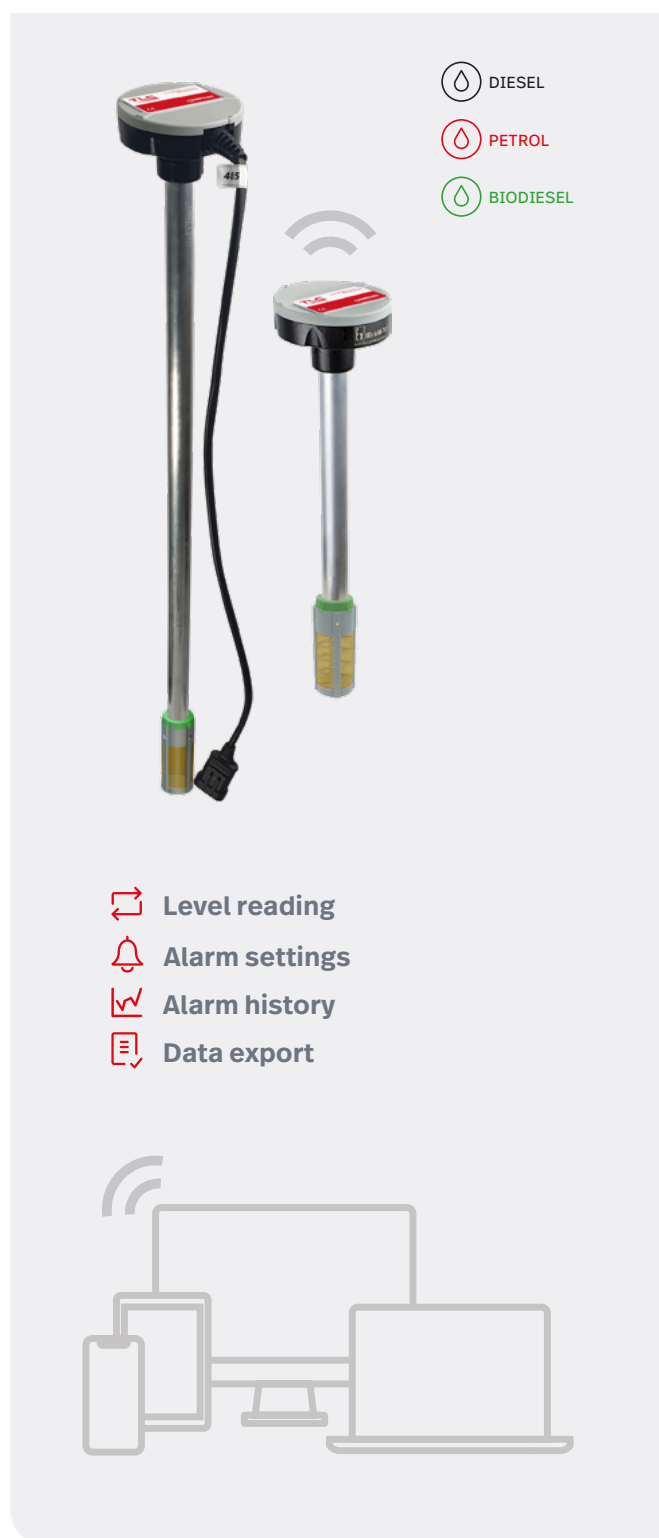
**Not suitable for conductive fluids like: water, AdBlue/DEF, etc.*

Technical data

Working principle	Capacitive
Accuracy	±0.2 % for fixed tanks or parked vehicles ±1 % for vehicles in motion
Maximum distance between the Bluetooth sensor and receiver	20 m* *Provided that there are no objects interfering with the communication signal.
TLC-485 Voltage	10-45 V
Protection	IP-55
Temperature	-30 °C / +80 °C
Max. length pipe	1,000 m
Weight (approx.)	1 kg (according to length)
Overload protection	Up to 100 V

Available models

	Communication
TLC-485	RS-485 cable
TLC-Bluetooth Ex	Bluetooth 4.1



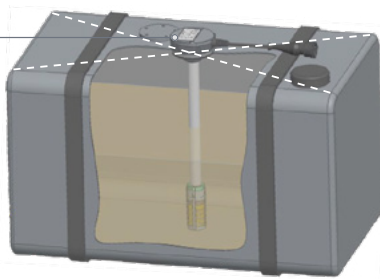
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TLC installation

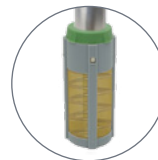
The TLC fuel level gauge has an standard 5-bolt flange and can be installed in both the standard fuel sensor hole and a special one. Everything you need for the TLC gauge installation and sealing comes in the assembly kit.

After installing the TLC in the tank, it is a must the tank calibration. The calibration is made through the web site: www.dieselplus.net.

If it is a mobile tank, install the gauge in geometric centre



Bottom spring:
Press the gauge to the tank bottom, increasing the fixation durability

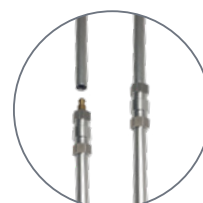
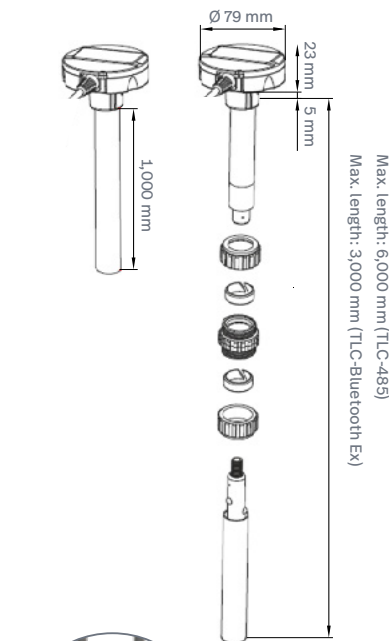


Mesh filter:
It protects the pipes against water and dirt, reducing the risk of a short-circuit to the minimum

Pipe length

The measuring pipes can be shortened up to its 90 % or extended up to 6 m (TLC-485) and 3 m (TLC-Bluetooth Ex).

The changes can be made directly before the installation in the tank, saving time to the installer and reducing the cost of shipping for gauges longer than 1 m.



Pipe length:
It is possible to shorten up to its 90 % or extend up to 6m (TLC-485) and 3 m (TLC-Bluetooth Ex)

TLC-485

Connectivity

It is possible to connect up to 4 TLC, via cable, to only one Tank Modem Plus. The Tank Modem Plus communicates via GRPS. Consult the data in the web site: www.dieselplus.net or the "Dieselplus Tanks" app installed on your smartphone.

DieselPlus allows:

- › Reading of the levels of the tanks
- › Multiaccess from different devices to automatically receive reports of the status of the tanks in your email
- › Alarms of minimum level
- › Alarms of filling
- › Alarms of maximum level
- › Alarms of sudden drop of level
- › History of alarms
- › Exportation of data in *.csv or *.txt format
- › To group tanks by zones, installations,...
- › To register the inputs by supplier, cost, amount,...
- › To have a supplier register

Control of fillings and supplies

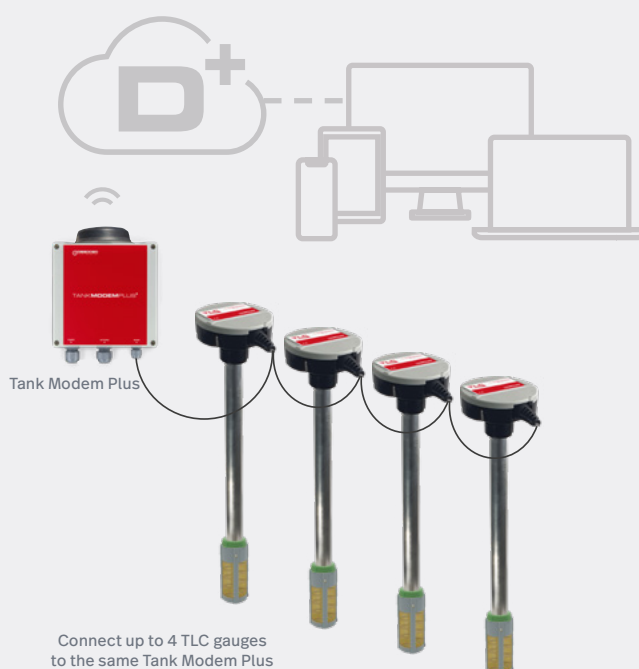
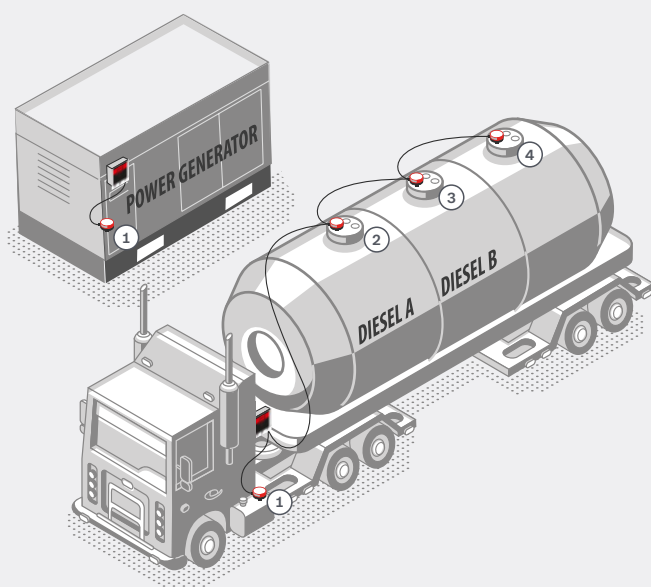
Control of fillings and supplies from the same DieselPlus software

With the GK-7Plus controller, installed in your supply pump and in the truck, you will be able to register the user, where the supply is made, the day, the hour, the supplied litres,...

All the information in the same software.

Level readings

The TLC level system will connect with the "TANK MODEM PLUS" with the RS-485 cable. A level reading is transmitted via GRPS to the web site: www.dieselplus.net every 20 minutes.



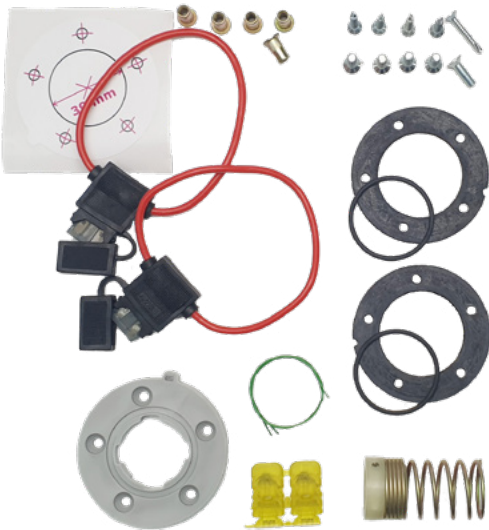
TLC-485

Assembly kit

With the assembly kit, the required elements to assemble the gauge in your tanks are delivered.

The kit includes:

- › Gauge
- › Fuses
- › Joints
- › Screws
- › Connector
- › Sealings to avoid the gauge manipulation
- › Bottom spring
- › Mesh filter

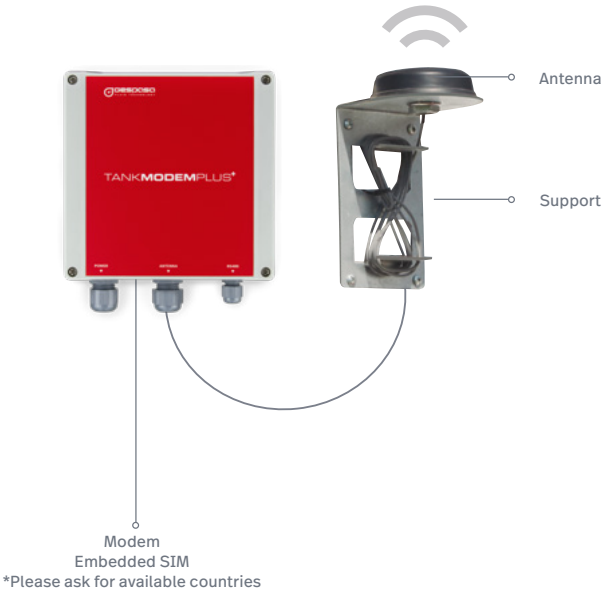


TLC-485 components

TLC-485 · Level Gauge · RS-485 · L = 1,000 mm	25830-CF00000
Tank Modem Plus Kit It allows the communication between the gauge and the DieselPlus software.	
Tank Modem Plus Kit 12/24 V	258000100
Tank Modem Plus Kit 110/230 V	258000000
Tank Modem Plus Licence It allows to access and use the DieselPlus software.	
Tank Modem Plus annual licence	670800000
Optional	
TLC 1,000 mm · additional section	258308000
485/USB cable converter*	251208032

*Required tool to configure the modem in local (without remote connection) in those countries where the remote communication is not possible. Please, ask for it.

Tank Modem Plus Kit



TLC-Bluetooth Ex

Functionalities

The TLC-Bluetooth Ex gauge has the same functional features as the TLC-485 gauge, adding the Ex certificate and the connection capacity up to 16 units to the same Tank Modem Plus via Bluetooth.

This model is the option to select for the installation where is required a gauge with certificate for explosive environment and in the installations where it is not possible to connect the gauge and the modem via cable.



TLC-Bluetooth Ex components

TLC-Bluetooth Ex · Level Gauge · L = 1,000 mm	25833-CF00000
Tank Modem Plus Kit <i>It allows the communication between the gauge and the DieselPlus software</i>	
Bluetooth Tank Modem Plus Kit · 12/24 V	258300700
Bluetooth Tank Modem Plus Kit · 110/230 V	258300600
Tank Modem Plus Licence <i>It allows to access and use the DieselPlus software</i>	
Tank Modem Plus Annual Licence	670800000
Optional	
TLC 1,000 mm · additional section	258308000

Tank Modem Plus Kit



*Please ask for available countries



Product video
in our website



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*Because of the constant innovations and development, TOT COMERCIAL SA reserves the right to modify their product specifications and publicity, without prior notification.