

RADAR LEVEL GAUGE

LEVEL GAUGE FOR LARGE HEIGHT TANK



- ✓ Valid for fluids and granular solids
- ✓ High accuracy of ± 2 mm and wide range of measure up to 15 m in height
- ✓ Communication to DieselPlus Cloud software



PRODUCT VIDEO IN
OUR WEB SITE

RADAR LEVEL GAUGE

The radar level gauge measures accurately fluids and granular solids in tanks up to 15 m in height.

Application

- Radar level gauge for continuous level measurement of tanks up to 15 m in height.*
**Other models available for tanks with higher height*
- Connectable up to 16 units to the same TANK MODEM PLUS KIT, to send the readings to the DieselPlus cloud software or the APP 'Dieselplus Tanks'.
- Particularly suitable for level measurement in water treatment.
- Suitable both for measuring fluids and granular solids and for maintenance-free use on small bulk silos.
- Maintenance-free operation due to non-contact 80 GHz radar technology.
- Exact measuring results independent of the product, process and ambient conditions.
- 4-thread axial cable output, measuring range up to 15 m in height, deviation of ± 2 mm, with Modbus communication.
- 2-20 mA available version to your PLC, under request.
- ATEX version available to measure in explosive environments.

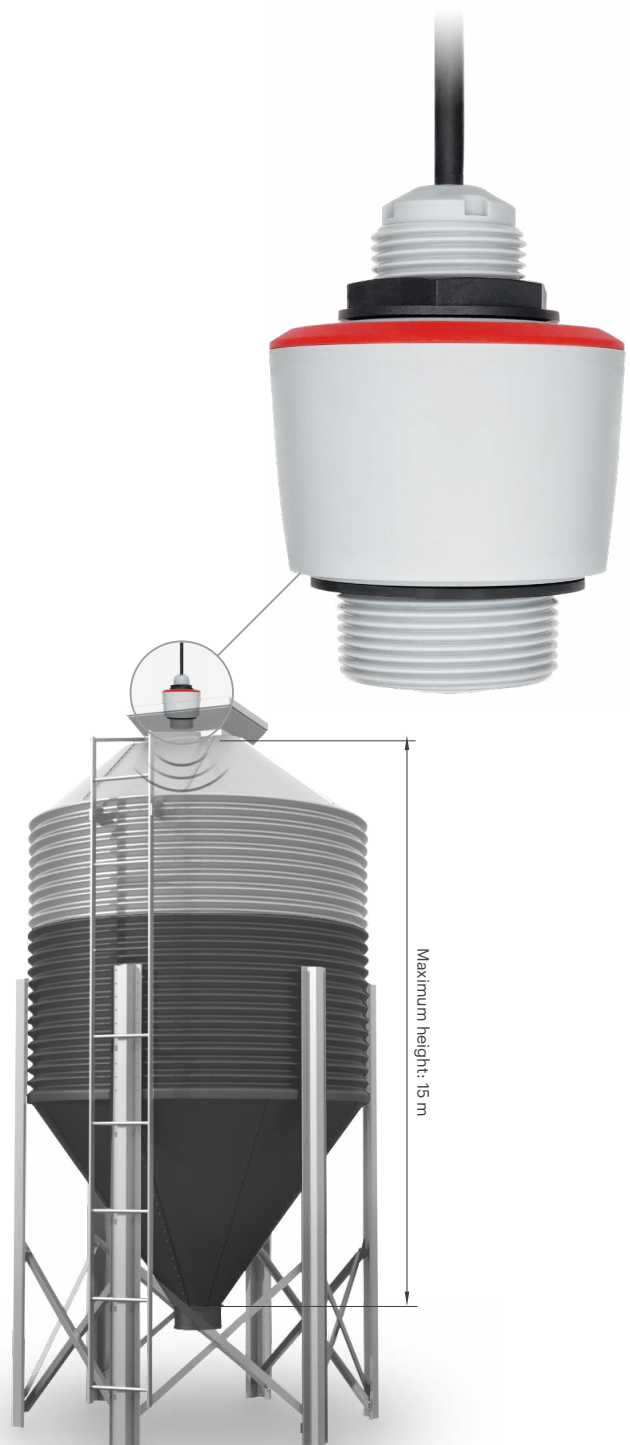
Function

- The equipment emits a continuous radar signal through its antenna. The emitted signal is reflected by the product and received as an echo by the antenna.
- The frequency difference between the emitted signal and the received signal is proportional to the distance and depends on the filling height. The determined filling height is converted into a respective output signal and output as a measured value.

Models

1 ½" RADAR LEVEL GAUGE · 15 m	808316046
1 1 ½" ATEX RADAR LEVEL GAUGE · 15 m*	808316047

*ATEX Zone 1 Certification



RADAR LEVEL GAUGE

Technical features

Measuring range	up to 15 m
Deviation	± 2 mm
Beam angle	8°
Measuring frequency	W-Band (technology of 80 GHz)
Output signal	Output digital signal according to EIA-485 normative
Data protocol	2-thread Modbus
Bottom thread (antenna)	M1 ½" BSP
Top thread (cable)	M1" BSP
Pressure	-1 +3 bar
Process and ambient temperature	-40 / +80 °C
Operating voltage	8-30 VDC
Protection rating	IP-66 / IP-68

TANK MODEM PLUS KIT (antenna + support + SIM)	258000000
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Software Licence

- It allows to access and use the DieselPlus software.

TANK MODEM PLUS Annual licence	670800000
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Optional

485/USB CABLE CONVERTER

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

251208032

SPARE-PARTS

F1½" aluminium flange (screw fixation)	808316048
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Power supply IN 100-240 VAC* > OUT 12 VDC	802501004
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*required in the event of connecting more than one gauge to the same modem



Spare part:
F1½" aluminium flange
(screw-fixation)

Connect up to **16 radar level gauges** to the same Tank Modem Plus Kit.



RADAR LEVEL 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.

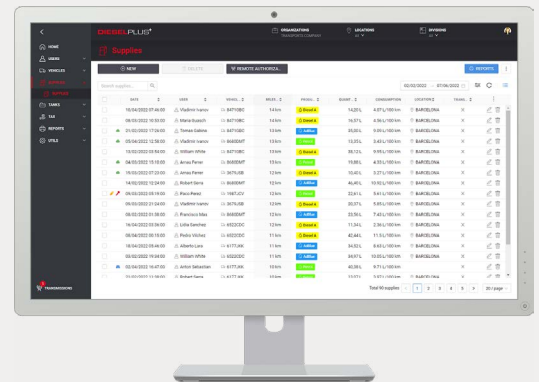
Multiaccess/multiinstallation. All the users who have user name and password can access the DIESELPLUS software from any computer connected to the Internet at any time. It is allowed to manage the information of many installations from the same operator.

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.

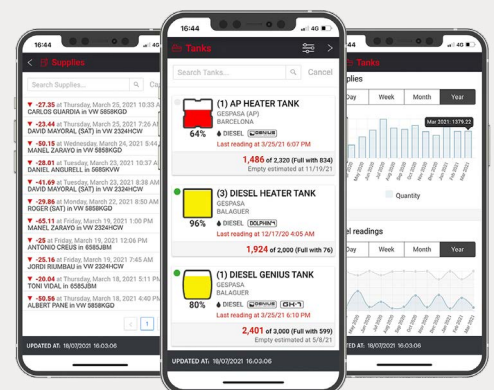
After-sales or technical service · E-mail or phone. Direct email or telephone number for the after-sales service in order to solve any doubt or incidence.

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



DIESELPLUS⁺

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



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