

VEGASYS Gauge Range

Complete Tank Gauge Systems for Industrial and Commercial Fuel Monitoring

VEGASYS offers a premier fuel management solution for industrial and commercial fuel storage needs. Its robust build quality and advanced technology streamline monitoring at refueling sites, marinas, diesel generator installations and more. The all-in-one package simplifies specification, ordering, and installation, ensuring efficiency from start to finish. VEGASYS is designed to add value at every stage, delivering a comprehensive and user-friendly tank monitoring solution for modern industrial requirements.

TYPICAL APPLICATIONS:

- Diesel/HVO backup generator Bulk and day tank monitoring where pump/valve control and BMS connectivity are required.
- All Industrial or commercial fuel & AdBlue storage tanks.
- Road/Rail/Marine fleet refuelling installations.

WHATS IN THE BOX

- Weatherproof VEGAMET 4-20mA gauge console with mounting plate + cable glands/blanks
- Your choice of Vega Radar or HUBA Submersible Pressure Level Sensors. (sized to meet your tank depths)
- Everything you need to mount your sensors and connect field wiring.

KEY SYSTEM FEATURES:

- Industrial-Grade German Build Quality Consoles & Sensors
- One console can monitor 2 x tanks
- Simple Console Installation and Wiring
- Customisable 4.5" Backlit display (choose from %, height or scaled volume)
- Colour-changing screen can be used as traffic light warning of abnormal level conditions
- Remote Bluetooth Programming via free VEGATOOLS app
- Quick-wizard commissioning
- Cloud Backup and Restore
- Versatile Control with 3 Programmable Relays & 4-20mA Outputs
- Simulate sensor inputs instantly to test your installation
- Instantly download client handover PDF documentation



RADAR VS SUBMERGED SENSORS

The choice between Radar and Submerged Pressure Level Sensors depends on the specific requirements of the application, including accuracy requirements, installation constraints, initial budget considerations and the life-expectancy requirements on site.

- Radar sensors offer long life expectancy, high accuracy regardless of changes in liquid density/temperature and in-tank pressure and can be directly interrogated and adjusted via bluetooth.
- Submerged pressure sensors, on the other hand provide a simple, cost-effective solution for straightforward level measurement tasks with some limitations in terms of sensitivity and maintenance requirements.

RADAR SENSOR OVERVIEW

- Versatile single sensor for all tanks with 0.1 to 15m range (8m max range on basic sensor)
- Precise +/-2mm and reliable measurement (+/-5mm on the basic version).
- Non-contact for high accuracy and longevity. Screws directly into 1.5" BSP female tank top socket
- Unaffected by liquid changes or debris.
- Simplified field wiring directly into sensor housing.
- Bluetooth-enabled for easy management via VEGATOOLS app.
- Programmable to ignore false readings from tank internals.
- Maintains accuracy under pressure changes (-1 to +3 bar).

SUBMERGED PRESSURE SENSOR OVERVIEW

- 3 Sensor ranges available (0.3, 0.5 and 1bar)
- Lower initial cost compared to radar
- +/- 0.8% Max Deviation (of full scale)
- 0.1% Resolution (of full scale)
- 1" BSPT to cable gland tank top installation

SUBMERGED PRESSURE LEVEL SENSOR PACKAGES

Single Tank Systems:

All packages consist of:

- 1 x VEGAMET Gauge Console
- 1 x Submerged Pressure Level-Sensor
- 1 x Sensor to tank mounting kit (1" BSPT male threaded with 4-8mm cable-gland)
- 1 x Sensor vented wiring junction box kit (includes all required cable-glands, & connectors)



Non-ATEX Rated

Product Code	Sensor Range (mbar)	Diesel Tank Depth Range	Ullage Display
VEGASYS-1-SPLS-3	0-300	3.5m	NO
VEGASYS-1-SPLS-5	0-500	5.8m	NO
VEGASYS-1-SPLS-10	0-1000	11.7m	NO
VEGASYS-1-SPLS-3-ULG	0-300	3.5m	YES
VEGASYS-1-SPLS-5-ULG	0-500	5.8m	YES
VEGASYS-1-SPLS-10-ULG	0-1000	11.7m	YES

ATEX Rated

Product Code	Sensor Range (mbar)	Diesel Tank Depth Range	Ullage Display
VEGASYS-1-SPLS-3-ATEX	0-300	3.5m	NO
VEGASYS-1-SPLS-5-ATEX	0-500	5.8m	NO
VEGASYS-1-SPLS-10-ATEX	0-1000	11.7m	NO
VEGASYS-1-SPLS-3-ATEX-ULG	0-300	3.5m	YES
VEGASYS-1-SPLS-5-ATEX-ULG	0-500	5.8m	YES
VEGASYS-1-SPLS-10-ATEX-ULG	0-1000	11.7m	YES

Double Tank Systems:

All packages consist of:

- 1 x VEGAMET Gauge Console
- 2 x Submerged Pressure Level-Sensor
- 2 x Sensor to tank mounting kit (1" BSPT male threaded with 4-8mm cable-gland)
- 2 x Sensor vented wiring junction box kit (includes all required cable-glands, & connectors)



Non-ATEX Rated

Product Code	Sensor Range (mbar)	Diesel Tank Depth Range	Ullage Display
VEGASYS-2-SPLS-3	0-300	3.5m	NO
VEGASYS-2-SPLS-5	0-500	5.8m	NO
VEGASYS-2-SPLS-10	0-1000	11.7m	NO

ATEX Rated

Product Code	Sensor Range (mbar)	Diesel Tank Depth Range	Ullage Display
VEGASYS-1-SPLS-3-ATEX	0-300	3.5m	NO
VEGASYS-1-SPLS-5-ATEX	0-500	5.8m	NO
VEGASYS-1-SPLS-10-ATEX	0-1000	11.7m	NO

RADAR LEVEL SENSOR PACKAGES

Single Tank Systems:

All packages consist of:

- 1 x VEGAMET Gauge Console
- 1 x Radar Level-Sensor (field wiring-ready and with 1.5" BSP male thread)



Non-ATEX Rated

Product Code	Sensor Range (m)	Sensor Accuracy (mm)	Ullage Display Capable?
VEGASYS-1-RDR-BASIC	0-7m	+/- 5mm	NO
VEGASYS-1-RDR-BASIC-ULG	0-7m	+/- 5mm	YES
VEGASYS-1-RDR	0-15m	+/- 2mm	NO
VEGASYS-1-RDR-ULG	0-15m	+/- 2mm	YES

ATEX Rated

Product Code	Sensor Range (m)	Sensor Accuracy (mm)	Ullage Display Capable?
VEGASYS-1-RDR-ATX	0-15m	+/- 2mm	NO
VEGASYS-1-RDR-ATX-ULG	0-15m	+/- 2mm	YES

Double Tank Systems:

All packages consist of:

- 1 x VEGAMET Gauge Console
- 2 x Radar Level-Sensor (field wiring-ready and with 1.5" BSPT male thread)



Non-ATEX Rated

Product Code	Sensor Range (m)	Sensor Accuracy (mm)	Ullage Display Capable?
VEGASYS-2-RDR-BASIC	0-7m	+/- 5mm	NO
VEGASYS-2-RDR	0-15m	+/- 2mm	NO

ATEX Rated

Product Code	Sensor Range (m)	Sensor Accuracy (mm)	Ullage Display Capable?
VEGASYS-2-RDR-ATX	0-15m	+/- 2mm	NO

PRODUCT GUIDE

THE "VEGASYS" TANK GAUGE



ACCESSORIES & SPARES

Remote Alarm Panel & Bund Sensor

Product Code	Description	ATEX Rated?
PFS-ALARM	IP55 Remote Alarm Panel – 230V - Visual and acoustic alarm indicator with siren shut-off button (1 x V.Low voltage input + 1 x 5A Relay Output)	NO
PFS-FLOAT-SWITCH-DLSL	Bund/High-Level Float Switch with 5 metre cable, weight and plastic 1" tank connection cable-gland entry (for use with diesel)	NO



Remote Readout Displays

Product Code	Description	ATEX Rated?
GB178667231	VEGADIS 82 4-20mA Remote Display. Requires no power connection (powered by 4-20mA loop). Can be programmed to display fuel level, volume, % or a combination of all 3.	NO
GB182506782	VEGADIS 82 4-20mA Remote Display With ATEX certification for zone 1 installation. Requires no power connection (powered by 4-20mA loop). Can be programmed to display fuel level, volume, % or a combination of all 3.	YES



Spare Submerged Pressure Level-Sensors

Product Code	Description	ATEX Rated?
HSPLS-3M-10	ATEX Submersible Level Sensor 0-300mbar -10m cable	YES
HSPLS-5M-10	ATEX Submersible Level Sensor 0-500mbar -10m cable	YES
HSPLS-10M-20	ATEX Submersible Level Sensor 0-1000mbar -20m cable	YES



Submerged Sensor Spare Install Kits

Product Code	Description	ATEX Rated?
TANK-CONN-1in-GL58	1" BSPT Male Tank Connection Kit for Submerged Hydrostatic Level Sensor. With 4-8mm Cable Gland	NO
TANK-CONN-EX-1in-GL58	1" BSPT Tank Connection Kit for Submerged Hydrostatic Level Sensor – With ATEX Rated 4-8mm Cable Gland.	YES



Submerged Sensor Spare Wiring Junction Boxes

Product Code	Description	ATEX Rated?
TANK-CONN-JCTBOX	Junction Box with 2 x Cable Glands and 3 x 3-way Wago Connectors	NO
GB3581862	VEGAE BOX03 Junction Box with 2 x Cable Glands and cable connectors - ATEX Rated	YES



Spare Radar Level-Sensors

Product Code	Description	ATEX Rated?
RA - 222 22J	VEGAPULS 11 Radar Sensor, 0-8m Range, +/-5mm Accuracy : Non-ATEX	NO
RA - 222 22N	VEGAPULS 21 Radar Sensor, 0-15m Range, +/-2mm Accuracy : Non-ATEX	NO
RA - 222 28R	VEGAPULS 21 Radar Sensor, 0-15m Range, +/-2mm Accuracy Range : ATEX Rated	YES

