

Tankwatch

Fuel Tank Monitoring System

With the never ending rise in cost of road fuel all transport operators are under great pressure to manage fuel resources more efficiently and be more environmentally friendly.

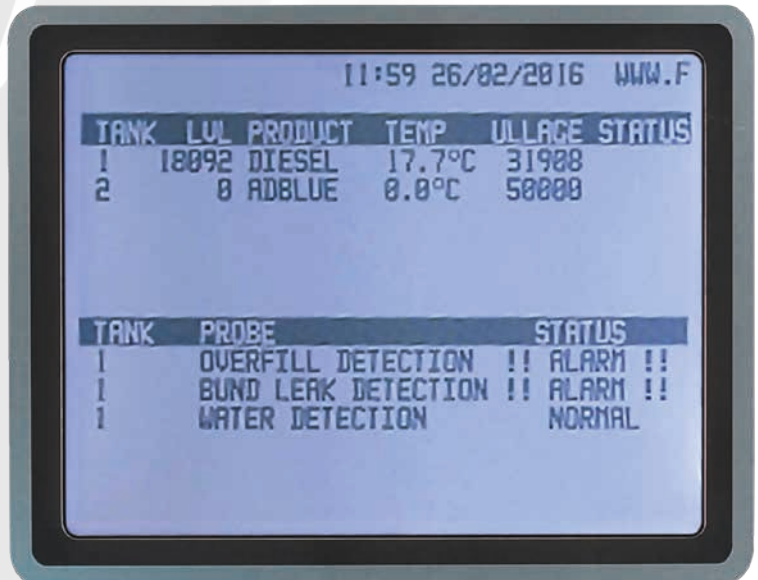
Tank Watch helps managers by providing accurate information on current stock, available tank capacity (ullage), stock movements, deliveries, throughputs and unusual stock movements making it easy to assess any problem areas.

The **Tankwatch System** monitors the fluid inside the tank using a series of probes, the probes are connected to a control panel which is mounted locally at the fuel tank. The control panel provides a local interface at the point of storage and assists fuel delivery drivers make safe and secure deliveries.

The **Tankwatch** control panel constantly displays stock level information including ullage and also displays alarm status, if an alarm is triggered this is indicated audibly and visually at the fuel tank. The system will even provide early warning of tank leakage if unaccountable reductions in tank contents are recorded.

Tankwatch can be used in its own right to manage fuel stocks or can interface with other **Vectec** fuel management systems which monitor pump throughput and stop unauthorised use of fuel, either way **Tankwatch** provides a powerful reporting and management tool.

- **DETER THEFT**
- **DETECT DELIVERIES AS THEY OCCUR**
- **ALARM UNUSUAL STOCK MOVEMENTS**
- **DISABLE PUMP WHEN TANK IS EMPTY**
- **CHECK STOCKS ANYTIME ANYWHERE**



TANK	LVL	PRODUCT	TEMP	ULLAGE	STATUS
1	18092	DIESEL	17.7°C	31988	
2	0	ADBLUE	0.0°C	50000	

TANK	PROBE	STATUS
1	OVERFILL DETECTION	!! ALARM !!
1	BUND LEAK DETECTION	!! ALARM !!
1	WATER DETECTION	NORMAL

Information Displayed At The Fuel Tank

Vectec TMO Reporting Software

TMO (Tank Manager on-line) software is used for management and reporting purposes. TMO is web hosted and browser based, user friendly and can provide information at any location with internet access. Communication between the remote hardware and the reporting software is most commonly done using a GPRS modem to allow internet connectivity.

GPRS (General Packet Radio Service) is a wireless data service and is a connectivity solution based on internet protocols. No call charges apply using GPRS as a small monthly rental fee covers an amount of data transferred.

We can network Interface allowing the **Tankwatch** to form part of a LAN / WAN. We can utilise Bluetooth, Wi-fi or even cable RS232 or RS485 to provide a route into your own Broadband connection if required. The reporting software uses administrator set account numbers, login and password, management information can potentially be made available on any PC anywhere in the world for a user with an authorised account number, login and password. Relevant information can be emailed directly to your inbox on a daily weekly or monthly basis including current stock levels, deliveries and predicted future stock levels.



Scheduled Reports

Reports can be scheduled to deliver directly to your inbox at a pre-determined time.

Typically including:

SITE – TANK – PRODUCT – CURRENT FUEL AMOUNT – PREVIOUS DAYS DELIVERIES – PREVIOUS DAYS THROUGHPUT – ESTIMATED NUMBER OF DAYS STOCK LEFT IN THE TANK.

Tankwatch is built for use in harsh transport environments, **Tankwatch** has a heavy duty enclosure, and a bright display, that is easy to read in daylight. Tank measurement is by a high accuracy pressure sensor that is individually calibrated to take account of tank geometry. **Tankwatch** can be specified for new installations but is also easily retro fitted to existing tanks.

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