

Automatic logging of fuel levels within fixed or mobile tanks



The Churchill Controls Tank Gauge Monitoring System allows precise monitoring of the level of fuel in each compartment of a road tanker, to aid in detecting unauthorised removal of the load.

Each level gauge runs from an internal battery (trickle charged when the vehicle supply is available) so it continues monitoring and logging changes at all times

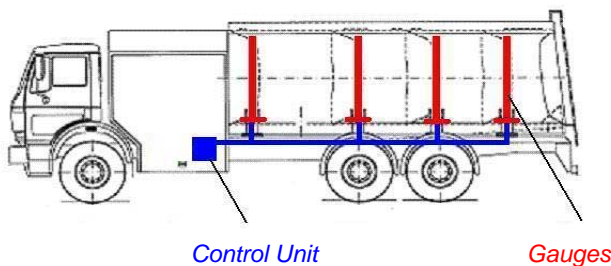
The gauges are all linked serially to a control unit that collates the data and sends it via GPRS to dual host internet servers. The control unit also incorporates a GPS receiver so all activity can be cross-referenced to the geographic position.

The servers maintain a database of all clients. Each client is given an account (allowing them access to data from only their tankers) and software that periodically downloads, analyses and logs data from their tankers. The software checks for alert conditions such as small fuel drops, large fuel drops and large fuel increases. When an alert event occurs, the event is displayed on the client software, and optionally the information is sent by e-mail. The event display plots a track of the vehicle around the time of the event on map, and displays locations of fuel level changes.

- **System fully ATEX approved ***
- **Battery operation monitors fuel levels even when supply is off**
- **Data accessible remotely by GPRS, GSM and Internet communication**
- **GPS receiver allows activity to be referenced to geographical position**
- **Suitable for fixed or mobile fuel tanks**
- **Allows for top or bottom mounting**
- **Able to distinguish between different types of fuel.**
- **Up to 8000 measurements per gauge can be logged at down to 5 second intervals**
- **2.5% accuracy allows for precise level detection**
- **Up to 15 compartments can be linked to each control unit**

* ATEX approval pending

Bottom Fitting



Top Fitting

