

## OPTILEVEL General

### The deep look inside your tank

OPTILEVEL is the right system for modern Automatic Tank Gauging.

With OPTILEVEL, the modern Automatic Tank Gauging System for the accurate registration of fuel level, water level and temperature, Hectronic gives an exact look into the fuel tanks of a petrol station. This applies to different applications as Hectronic offers a varied range of equipment as a basis for any requirements.

### LPG - measurement

Hectronic has found a solution how to deal with the pressurised liquefied petroleum gas tanks. While probes for conventional tank plants are equipped with a simple clamping bolt nut the probes for LPG tanks are designed with a welded to ensure safety. 16,8 bar (243,6 PSI) are provided by law; Hectronic's welded screw connection resisted in numerous tests the pressure of 60 bars (870 PSI).

### Further products

According to the software different products can be measured. This includes also aggressive substances, because the very robust probes, made of high-grade steel and Teflon cannot be harmed that easily.

The technologically well-engineered gauge HLS 5010, the well thought architecture of the OPTILEVEL system, the open clearly described interfaces as well as a wide range of useful peripheral devices make OPTILEVEL the best choice for your petrol station.

**OPTILEVEL gives you a really extensive performance catalogue and the most modern functions. Among other things there is:**

#### Delivery recognition:

The controller 104M records automatically the quantity and the time of a delivery.

#### Leak detection:

The controller 104M supervises the tank as well as the pipe work system. Even the smallest irregularities will be discovered and reported. Both static and dynamic leak detection is possible.

#### Automatical reconciliation:

The controller 104M compares the throughput to the dispensers to the really existing fuel volume in the tank. Of course the sways caused by temperature changes will be considered.

#### Automatic tank calibration:

Standard strapping tables get loaded or calculated and the controller 104M corrects them automatically into ideal tables for the respective tank.

#### Meter Mapping:

The controller 104M assigns automatically the pump dispensers to the belonging tanks. This includes also MPD-dispenser.

### The incorruptible gauge



FIR HLS 5010 works according to the capacitive comparison principle. This technology is insensitive to outside factors such as conductive force, additives, dirt film, submergible pumps, foam, steam, sump and vibrations. The renunciation of movable parts makes the probes extremely reliable and guarantees no wear and tear. A well-developed product for the rough practice.

#### An easy installation and commissioning

In next to no time you can screw the gauge in a G 1 ½ thread on the top of the dome pit cover without additional installations like risers or something like that. Also a still pipe to absorb waves and turbulence is not required since the probe itself is a still pipe.

#### Intelligent with microprocessor - technique

The microprocessor in the head of the gauge works out useful data like e.g. the volume. Therefore an extern controller is not mandatory anymore.

#### Service-friendly



The whole electronics is in the probe head and can be exchanged in the case of an installed probe and during a running refuelling site within a few minutes.

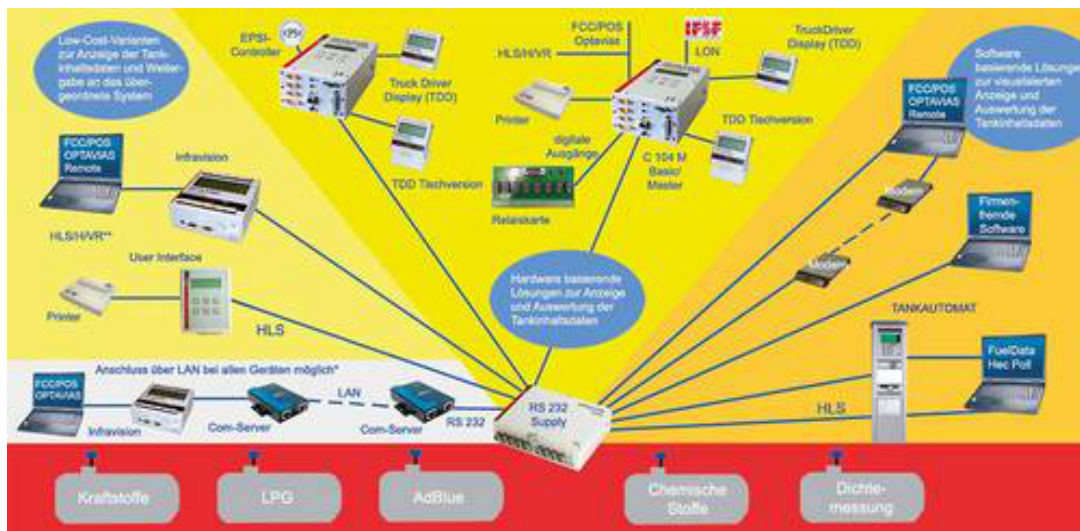
### Nothing can bother the probe!

Whether there are flooded man holes, aggressive or explosive, very cold (-25°C) or very hot (+100°C) liquids, level of 1mmtr (20") or 6mtr (2350") to quantified; there is no problem for OPTILEVEL! Even electro magnetic fields of a pressure pump do not influence the probe; it can be installed near of it. Furthermore you will not need an additional still pipe to absorb any wave motions. The probe itself offers the complete protection.

There are a lot of aspects, that make our probe special. Here the most important at a glance:

- No controller necessary
- Modular design
- Easy installation
- No additional structure necessary
- Totally maintenance-free
- Temperature measurement and compensation
- Precise tank level measurement
- No electronics in the tank
- Independent of the medium
- Water measurement
- IFSF and EPSI compatible
- Automatic reconciliation
- Direct connection to PC
- Truck Driver Display
- Independent of degree of soiling
- Automatic tank calibration
- Leak detection

### Construction



Click image for a large view of this illustration!

The picture shows, that OPTILEVEL gives a lot of opportunities of economical integration for all kinds of petrol stations: there is the cost effective OPTILEVEL User Interface as well as the high performed OPTILEVEL Controller 104M, from the direct Modem- or link to a autofuel terminal up to the certified standard interfaces EPSI and IFSF-LON.

With OPTILEVEL you get to see more and you get to know more, than by using other ATG systems.