Hectronic

Smart Solutions for parking and refuelling

MANAGE | MONITORING | MEASURE | REFUEL

Liquid Tank Content Management

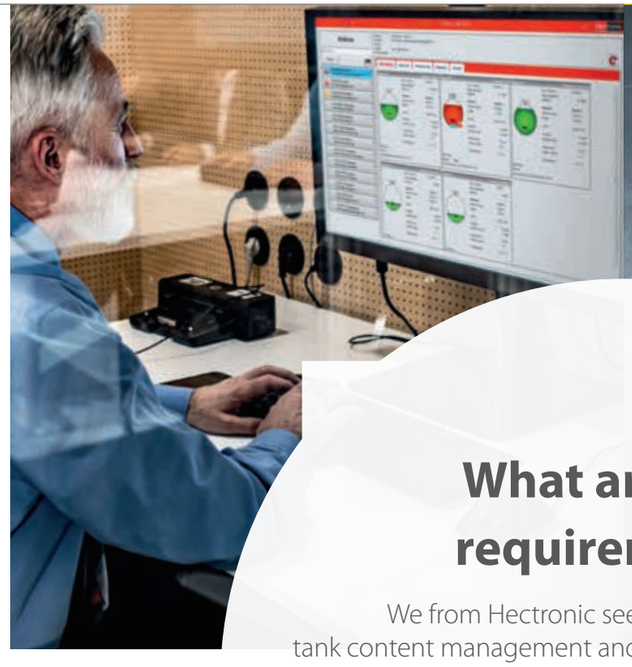
We help to optimize your tank content management and level processes – forward-looking and reliable.

MANAGE

With the platform-independent and web-based software PetroLine ATG the management and surveillance of your tank contents are made easy. PetroLine ATG allows the online retrieval of tank content data to your PC, tablet or smartphone – at any time and any place.

In combination with the fuel terminals HecStar and HecFleet the platform-independent and web-based filling station management software HecPoll brings tank contents to your office in real time.

PAGES 4/5 Tank Content Management Software PetroLine ATG
PAGES 6/7 Management Software HecPoll



What are your requirements?

We from Hectronic see us as a specialist for tank content management and are your competent advisor when it comes to the perfect equipment of your filling station network or the filling stations of your customers.

Forward-looking, reliable and safe – systems from Hectronic allow you and your customers smooth tank content management.

Don't hesitate to contact us!

MEASURE

The systems OptiLevel and HecoFill perfect your tank content management:

The system OptiLevel measures the fill level based on the Floatless Technology developed by Hectronic, reliably and almost maintenance-free.

With the system HecoFill the overfill protection plays it safe. The system HecoFill convinces by a very wide range of applications – from surveillance via control and safeguard to damage prevention.

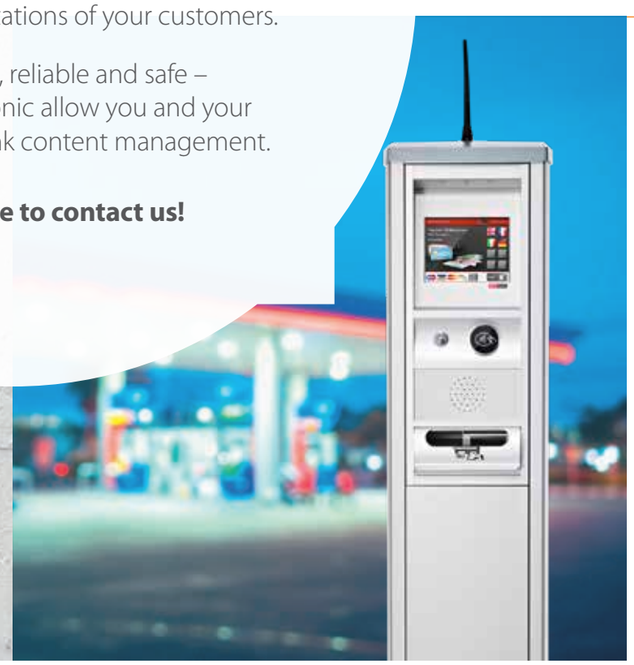
PAGES 10-15 System OptiLevel
PAGES 16/17 System HecoFill

MONITORING

The small Mineo 2 Controller Touch has great potential! All tank content data are collected at the controller and can be retrieved online via the Hectronic cloud or transmitted to external systems and peripheral devices via common interfaces.

The large 7"-colour touch display shows the tank content data of up to 32 tanks in a very clear und user-friendly way.

PAGES 8/9 Mineo 2 Controller Touch



REFUEL

As a specialist for the filling station management we offer products and solutions to optimize your 24h filling station or fleet petrol station.

Our systems can be flexibly combined and individually adapted to your requirements.

BROCHURE Filling Station Management for Fleets
BROCHURE Filling Station Management for Public Filling Stations

PetroLine ATG

Your Benefits

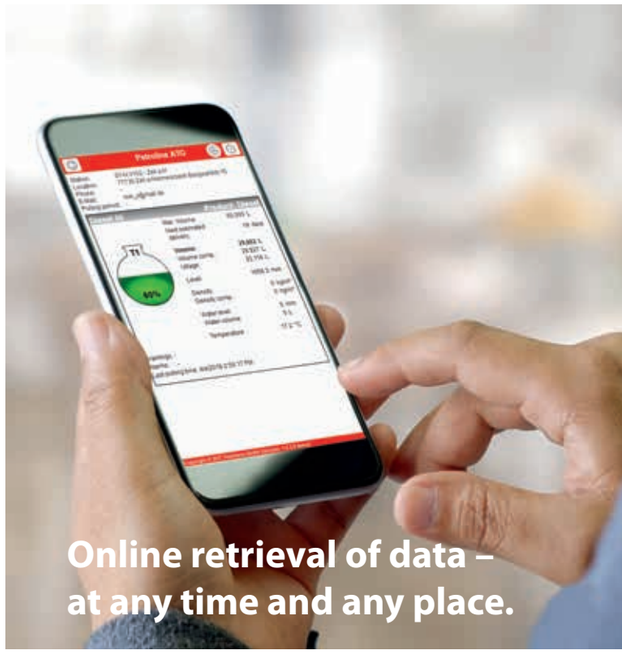
- Tank content surveillance in real time
- Flexible administration of rights, users and stations, integration of fuel suppliers
- Highest safety standards
- Open for third-party systems
- Installation as SaaS solution or in existing network

PetroLine ATG – Manage and Retrieve Tank Content Data in Real Time

Tank Content Management Software PetroLine ATG

The platform-independent and web-based tank content management software PetroLine ATG allows the online retrieval of fill levels via browser to your PC, tablet or smartphone – at any time and any place. The operation is easy and intuitive by means of a well-structured and clear user interface.

The administration of rights, users and stations guarantees maximum flexibility. As an example, fuel suppliers can be integrated to allow for an independent delivery. A defined supplier gains insight into the tank content data and can organize the next delivery as required. In the long run this reduces costs, facilitates logistics and ensures a continuous fuel supply.



Scope of Functions of Standard Version

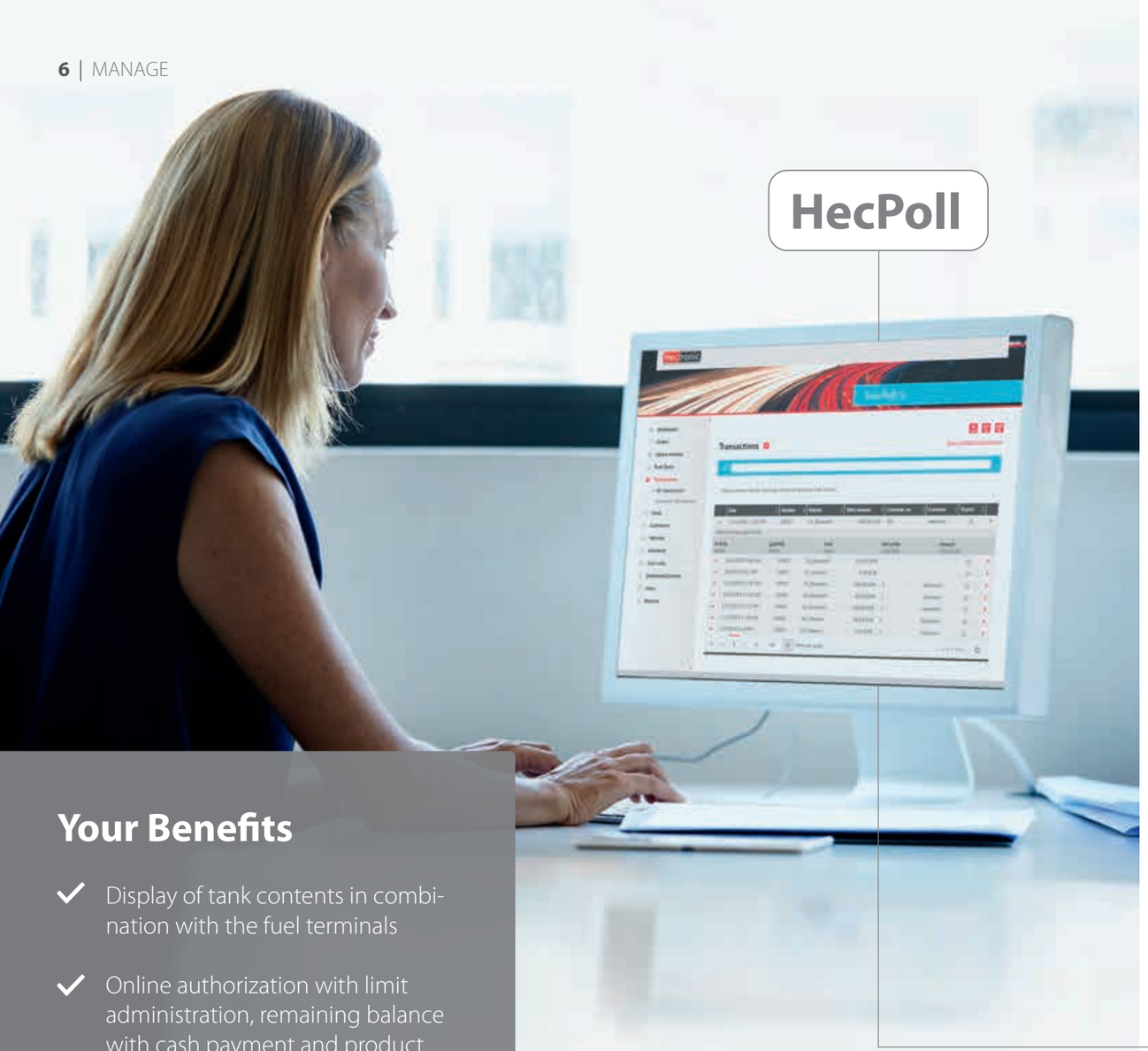
- **Parameter Administration:** Administration of users, rights and stations, integration of fuel suppliers
- **Status Indicators:** Lists, inventory, fuelling details, supply trends, order limits, days until the next tank delivery, etc.
- **Convenient Search and Filter Functions**
- **Comprehensive Reporting Module:** Stations, inventory, turnover, shortages and status messages
- **Installation:**
  As SaaS solution or in existing network

PetroLine ATG can be combined with the solutions:

SURVEY
The small and powerful Controller Mineo 2 Touch is the reliable central hub of your tank content management, see **pages 8/9**

MEASURE
Perfect tank content management in combination with the system OptiLevel or the system HecoFill:
Allows safe tank content measurement in real time, overfill protection and damage prevention,
see **pages 10-17**

Further information on tank content management:
www.hectronic.com/petrolineatg



Your Benefits

- ✓ Display of tank contents in combination with the fuel terminals
- ✓ Online authorization with limit administration, remaining balance with cash payment and product restrictions in real time
- ✓ Intuitive user guidance
- ✓ Tool for process optimization
- ✓ Scalable - from single filling station to the complete network
- ✓ SaaS-solution
- ✓ ISO-certified data centre
- ✓ Open for third-party systems

HecPoll – Conveys Fill Levels from the Fuel Terminal to the Office.

Management-Software HecPoll

In combination with the fuel terminals, the platform-independent and web-based management software HecPoll conveys the data from the filling station to the office (see diagram on the right). The functional scope of HecPoll is more comprehensive, though. Apart from the surveillance of tank contents and fuel terminals, it is possible to display transactions, manage master data and issue analyses.

No matter whether in your computer centre as a buying license or in our cloud as a rental license, the intuitive user interface facilitates the first steps. Just a quick introduction, and you can enter, edit and evaluate data yourself. If you opt for a rental license in our cloud, you just need a computer - we take care of the rest!

HecPoll supports you to optimize processes and operate a result-oriented company filling station management.

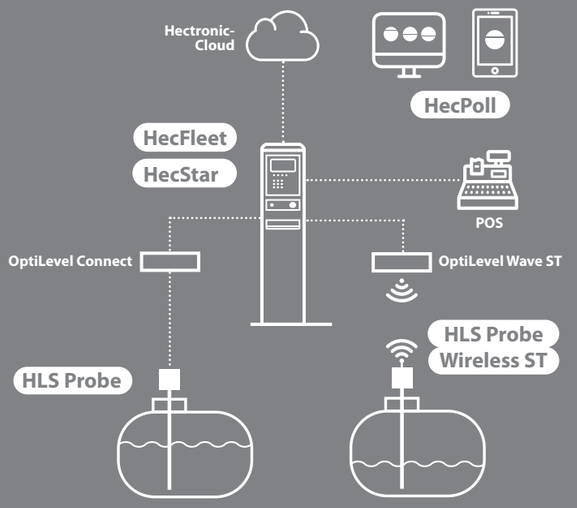
Scope of Functions

- **Master Data Management:** Personnel, cost centres, customer cards, vehicles, and products.
- **Parameter Administration:** Station management, prices, fuel depots, tank data, and evaluation.
- **Installation:** Integration into existing network or as SaaS-solution.
- **Interfaces to Third-party Systems:** Automated or individual interfaces to third-party systems.

Optionally Available

- **HecPoll Online Authorization:** Blacklist, whitelist, limit administration and product restrictions, e.g. different fuels, in real time.

Exemplary Setup of the System OptiLevel:



Regarding the tank content management HecPoll can be combined with

System OptiLevel
Safe, reliable and almost maintenance-free measuring of tank contents with the Floatless Technology, see **pages 10-15**

Fuel Terminal HecStar
Meets flexibly and reliably the requirements of a public 24/h filling station, see **Brochure Filling Station Management for Public Filling Stations**

Fuel Terminal HecFleet
The all-rounder with respect to the requirements of fleet petrol stations, see **Brochure Filling Station Management for Fleets**

Further information on management software: www.hectronic.com/hecpoll

Mineo 2 Controller Touch - Small Controller with Great Potential.

Your Benefits

- Powerful controller and user-friendly display device all in one
- Central administration
- Alarm in cases of emergency and transfer to external devices
- Surveillance of up to 32 tanks with one controller
- Manifold communication and connectivity options
- Open for third-party systems

Truck Driver Display TDD-S

Mineo 2 Controller Touch

As a safe hub of the tank content management (see fig. on the right), the controller collects all fill level data which can be retrieved online via the Hectronic cloud. Mineo 2 features all common interfaces for the flexible integration of external devices such as cash register systems, filling station controls and other peripheral devices.

The large 7"-color touch display depicts the fill levels of up to 32 tanks in a clear und user-friendly way.

Further convenient functions, such as automatic shortage monitoring, auto-calibration of tank tables, delivery detection as well as static leakage and theft detection, make the controller Mineo 2 Controller Touch an indispensable helper.

Further Available Licenses

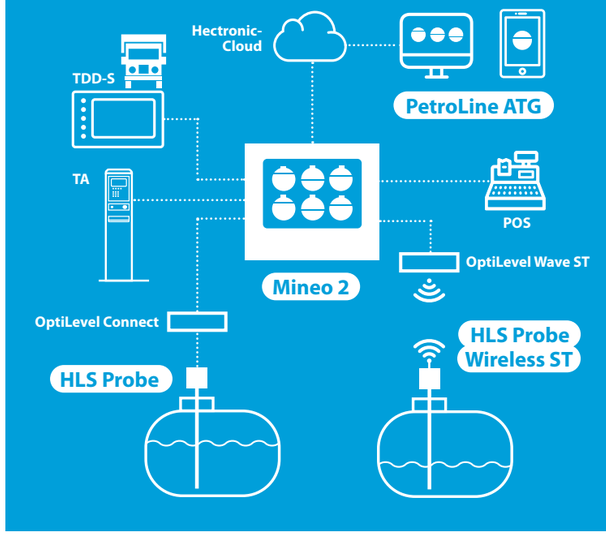
Mineo 2 Software Package A: Sales Data
Processes the protocols VR-DIP, H-, and IFSF-LON. Allows daily shortage monitoring with alarm, delivery detection with sales data, and is client for the auto-calibration server.

Mineo 2 Software Package B: Prot/Alarm History
H and VR-protocol for external probe connection (the standard scope of delivery includes the H and VR-protocol to hosts) as well as the process and display of the alarm history.

Truck Driver Display TDD-S

Displays tank content data for the tank truck driver. The integrated infrared sensor reacts to a simple gesture and activates the truck driver display - even through well-protected window panes of the filling station shop.

Exemplary system setup:



The Mineo 2 Touch Is the Safe Hub of Your Tank Content Management:

Probes OptiLevel
The fill level probes measure tank contents safely, reliably, and maintenance-free, see **pages 10-15**

System HecoFill
Overfill protection, level monitoring and damage prevention with a high degree of safety, see **pages 16/17**

Further information on the Mineo 2 Controller Touch: www.hectronic.com/mineo

Your Benefits

- Uniquely reliable measuring method wired or wireless
- Insensitive to dirt
- High-quality material mix
- Simplified storage – one type of probes can be used for almost all liquids
- Water detection in fuel and detection of ethanol layers
- Self-calibrating, easy installation and maintenance-free

OptiLevel HLS Probes - Snoopers that Cannot Be Fooled.

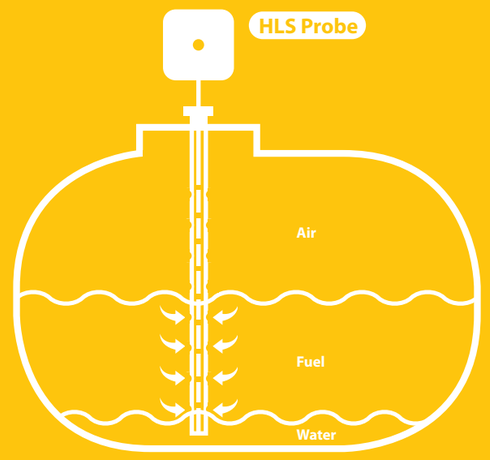
OptiLevel Probes HLS 6010

The probes HLS 6010 measure tank contents safely, reliably, and maintenance-free. The probes HLS 6010 function according to the floatless technology developed by Hectronic. The floatless technology offers the advantage that it is not subject to wear.

It recognizes a change of fluid and automatically adapts to the new medium. Therefore, one type of probe can be applied to almost all fluids and largely reduces both the number of items in stock and the order options. Furthermore, a product change in the tank does not involve changes of the HLS probe, neither in terms of software nor of hardware components.

Compared to measuring by means of the floater position, this technology is significantly less sensitive to pollution in the tank as no parts can stick together or get jammed.

Functional principle of the floatless technology:



Possible Combinations within the System OptiLevel:

OptiLevel Connect
Interface between the higher level system and the probes. As an explosion barrier, the OptiLevel Connect simultaneously takes over the galvanic isolation of each probe, thus offering reliable explosion protection, see **pages 12/13**

OptiLevel HLS Probe Wireless ST
The wireless probes always make sense if the subsequent installation of empty conduits for the connection of wired probes is too expensive or laborious, see **pages 14/15**

Further information on the system OptiLevel: www.hectronic.com/optilevel

OptiLevel Connect – Small and Powerful.

Your Benefits

- Convenient box in simple and modern design
- Easy function extension by plug-in modules
- 24V variant for truck installation and mobile refuelling solutions
- Presentation of tank content data independent of location
- Easy assembly
- Outdoor usage possible (protection class IP42)

OptiLevel Connect

The OptiLevel Connect is the interface between the higher level system and the probes. As an explosion barrier the OptiLevel Connect simultaneously takes over the galvanic isolation of each probe, thus offering reliable explosion protection.

With the successor of the OptiLevel Supply series you can now use and combine even more devices in the field. In the standard version, the OptiLevel Connect is available in three combination levels - for one probe, for up to two probes, or for up to four probes. In full expansion up to 32 probes can be connected to a host.

The additional modules can be inserted into the prepared slots, and the scope of functions can be extended by many convenient features!

24V DC variant available

For the use on vehicles such as trucks and construction machines, a variant with a supply voltage of 24V DC is available.

PetroLine ATG **Page 4/5**

Central Tank Content Management

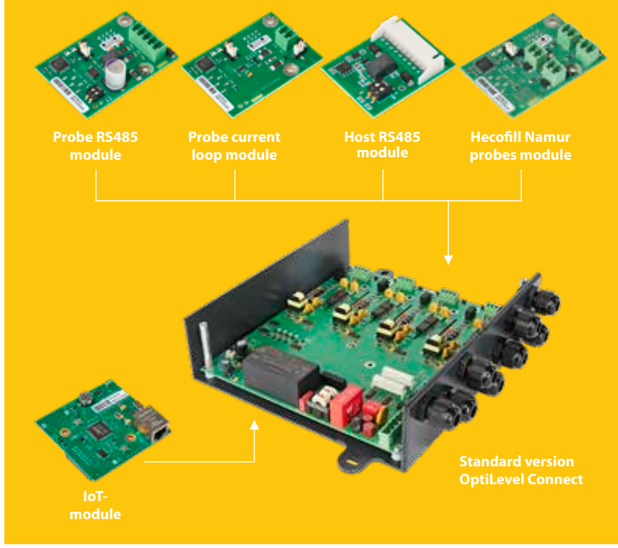
Tank content surveillance in real time, integration of fuel suppliers, flexible user, rights and station administration, installation in your network or as SaaS-solution.

HecPoll **Page 6/7**

Central Filling Station Management

HecPoll offers communication and analysis from one source and comprises the whole spectrum of a modern filling station organisation.

Plug-in Modules for Extended Functions



Available Additional Modules for OptiLevel Connect

Probe RS485 Module
Integrates existing probe systems with RS485 interface protocol into the system OptiLevel

Current Loop Module
Integrates existing systems with a current interface output of 4-20mA into the system OptiLevel.

Host RS485 Module
Integrates end devices via a serial connection from more than 20m up to 1km with each other.

IoT Module
Send tank content data indpendent of location and directly from OptiLevel Connect via Internet connection.

HecoFill Namur Probes Module
Connection of the system HecoFill, **see pages 16-17**

Further information on the system OptiLevel Connect: www.hectronic.com/optilevelconnect

OptiLevel Wave / Repeater ST

OptiLevel Probe
HLS 6010 Wireless ST

Your Benefits

- Uniquely reliable measuring method wired or wireless
- Insensitive to dirt
- High-quality material mix
- Simplified storage – one type of probes can be used for almost all liquids
- Water detection in fuel and detection of ethanol layers
- Self-calibrating, easy installation and maintenance-free

OptiLevel Probe HLS Wireless ST – Tank Content Data via Radio

OptiLevel Probe HLS 6010 Wireless ST

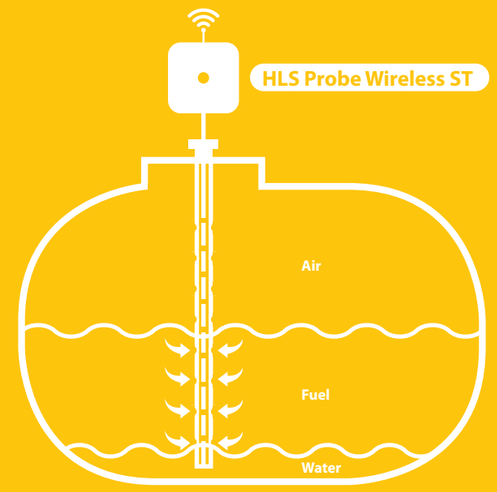
Its utilization always makes sense if the subsequent installation of empty conduits for the connection of wired probes is too expensive or laborious. The data transmission is made by radio waves.

The energy supply is ensured by a battery integrated in the head housing. Moreover, all further components are located in the housing. Only the radio antenna is guided outside and aligned by the user for optimum transmission power.

Floatless Technology

The wireless probe also works according to the floatless technology developed by Hectronic. It recognizes a change of fluid and automatically adapts to the new medium. Compared to measuring by means of the floater position, this technology is significantly less sensitive to pollution in the tank as no parts can stick together or get jammed.

Functional Principle of the Floatless Technology:



Possible Combinations within the System OptiLevel:

OptiLevel Wave / Repeater ST
It serves as central collection point for the data of all wireless fill level measuring probes. Wireless probes can be integrated easily into an existing wired probe network. OptiLevel Wave ST can either be directly connected to the host system or Connect and Wave ST together to the Mineo 2 Controller Touch, see **pages 8/9.**

Further information on the system OptiLevel Wireless ST:
www.hectronic.com/optilevelwireless

Your Benefits

- High degree of safety by permanent self-monitoring
- Independent of medium, density, conductivity or temperature
- No calibration required
- Almost maintenance-free as there are no movable parts in the tank resp. probe
- Wide range of application

System HecoFill – as Overflow is a No-Go

Overfill Protection HecoFill

The combination of Level Controller (NK) and HecoFill limit value probe sets standards and offers a high degree of safety during the storage and transfer of hazardous liquids.

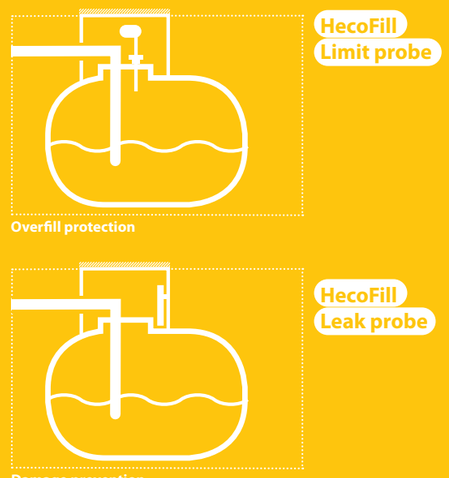
This is due to the fact that level controller and limit value probe form an Ex-intrinsically safe circuit, work in a fail-safe mode and can be universally supplied. The limit probe is approved for use in zone 0. The permanent self-surveillance with liquid-analogue remote check up to the probe tip ensures a reliable surveillance of liquid limit levels.

The devices and probes are ATEX-approved and meet the requirements of the KVU (CH) as special fill protections and of the WHG (D) as overfill protection.

Fields of Application

- Surveillance of liquid limit values
- Level, process and pump control
- Overfill and special fill protection
- To prevent damages: Leak indicator, leak monitoring in tank rooms, collection trays, pipings or man holes
- Applicable for various sectors, but not approved for the food industry.

Possible Combinations within the System HecoFill:



Possible combinations within the System HecoFill:

HecoFill Limit Probe: Optoelectronic measuring principle for the surveillance of liquid limit levels.

HecoFill Leak Probe: Valuable for damage prevention: Detects leaks in tanks, conduits or shafts.

Level Controller NK411 or 412: Ex-barrier to intrinsically safe HecoFill probe. Compatible with IR-HecoFill probes and NK31 predecessor models. Two relays for limit value surveillance, test and reset button. Optional wall housing IP54, see figure on the left.

OptiLevel Connect: Interface between the higher level system and the probes. Connection via the plug-in module "Namur", see **pages 12/13**

Further information on the system HecoFill: www.hectronic.com/hecofill

We Focus on You – promised!

MADE IN DE

WE HELP!

50 YEARS

We take care of your special requirements – fast, flexible and individual. Our sales partners provide support at eye level and find the optimum solution together with you.

Your Satisfaction is our Goal

Competent, comprehensive, at eye level and in your vicinity – together with you we set up your perfectly attuned filling station management or extend your existing system.

Our solutions from the areas MANAGE, MONITORING, MEASURE and REFUEL cover the whole spectrum and can be flexibly and individually combined, integrated and scaled.

Our smart software solutions complement the proven hardware components and open up new possibilities with respect to economic efficiency and user-friendliness.

As a reliable partner we stand for solutions with added value. We invest into the development of new and practicable systems you can rely on – your satisfaction is our goal. For over 50 years, solutions from Hectronic have been a synonym for quality. We are striving to keep it that way!

Safety and Reliability

We commit ourselves to be your helpful contact partner – at any time, on site at your location, before and after sales. We support you worldwide with competent advice and through our reliable support hotlines.

An international service and distribution network with over 70 partners provides you with absolute safety and reliability – always in your vicinity. Our repair centre is specialised in repairs, guarantee and warranty claims and their prompt processing.

Trainings by Hectronic qualify your employees to make full use of and apply the potential of Hectronic's technology.

Numerous operators with different application scenarios rely on our solutions:

- **Oil Companies**
- **Single Filling Stations and Filling Station Networks**
- **Depots**
- **Airports**
- **Mining Industry**

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