



Presents

## **SECU MultiTank**

***Quality Assurance System including***

***Product Identification,***

***Cross Over Prevention,***

***Overfill Prevention,***

***Earthing Control***

**Dear customer,**

Enclosed please find information about our Quality Assurance System

**SECU MultiTank**, which was developed to support the loading and unloading processes.

**Main advantages of our system**

PID = Product Identification Device is programmable via PC/USB (on terminal and petrol station)

No installation work in case of product change (i.e. change from Petrol 95 to petrol 98)

On board equipment of the tank truck works without operation by the driver (in normal case)

Test device to read TAGs und PIDs.

State of the art technical solution.

**Short product info**

**SECU MultiTank** is a **Quality Assurance System** which prevents **Product Cross Over's Mixtures** in the whole supply chain **Terminal – Tank Truck – Petrol Station**

**SECU MultiTank** was developed according the European Standard **EN 14116**.  
**It is compatible with all PIDs and TAGs on the market.**

(PID = Product Identification Device = electronic product identification)

**SECU MultiTank** is a **modular system** which can be installed on all sites (terminal, tank truck, petrol station) or only on one or two sites. Of course a 100% quality assurance is only ensured if it is installed on all sites.

**SECU MultiTank** includes the opportunity of **integrated earthing** and **overfill prevention** and the integration of different **sensors**.

**The on-board-unit of the truck does not have to be handled by the truck driver in standard situation.** The system supports the driver and informs him about troubles and solutions.

**Information for Refineries, Tank farms and  
Petrol Stations**

**SECU MultiTank is a Quality Assurance System which contains a**

**Programmable Product Identification System**

The product identification is done by an

Electronic device, which is installed on the loading rack at the terminal or in the filling cabinet at the petrol station,

- ◆ It does not need a power supply
- ◆ It is programmable with a standard PC with USB connection or
- ◆ Via MOD - Bus.

This way

- ◆ New products or
- ◆ Product changes can be programmed
- ◆ Without installation
  
- ◆ It is compatible with all Tank Truck Equipment which is designed according EN 14116.

We also can supply a test device which can read and display all product information which is stored in product identification devices of other suppliers as long as they are designed according EN 14116. In case of any problems during loading or unloading of a tank truck the cause of trouble can easily be detected.

**Information for Tank Trucks**

**SECU MultiTank is a Quality Assurance System which contains**

- ◆ **Cross Over Prevention**
- ◆ **Overfill Prevention,**
- ◆ **Earthing Control**

The product identification is done by a reader

This enables loading and unloading of a tank truck only if

- ◆ The product hoses
- ◆ The vapour recovery
- ◆ The limit probes and
- ◆ The earthing

are connected correctly.

- ◆ The on-board-unit of the truck does not have to be handled by the truck driver in standard situation.
- ◆ The on-board-unit was developed according the European Standard EN 14116. It is compatible with all product identification systems on the market. (Which comply with this standard)

### **More details:**

#### **At the terminal:**

The **SECU MultiPID** provides the product code to the electrically isolated loading arm. The tank truck communicates with the **SECU MultiPID** via this loading arm. The **SECU MultiPID** can store 6 different codes plus on the first two ports it can store additionally one code each. The most essential feature is the programmability of the **SECU MultiPID** via Modbus or PC. That means a product code can be changed without installation. If necessary (more than 6 codes are required) additional **SECU MultiPID** can be installed.

#### **On the tank truck:**

The on-board-unit can read the PID-Information and compare it with the information which is stored on the tank truck for each compartment. Then it releases or prevents loading or unloading of the compartments depending on the match of the product codes. The on-board-unit on the truck does not have to be handled by the truck driver in standard situation. The system supports the driver and informs him about troubles and solutions.

#### **On the petrol station:**

The **SECU MultiPID** is also installed there. It works exactly the same way as on the terminal. 6 different product codes can be stored. If necessary (more than 6 codes are required) additional **SECU MultiPID** can be installed.

#### **SECU PID Programmer:**

Programming of the **SECU MultiPID** via PC and USB – adapter cable. With this device the **SECU MultiPID** can be read and if necessary (new product) reprogrammed. A graphic user interface guarantees easy to use functionality. There is no installation activity necessary.

#### **SECU PIDTest Unit:**

To read the product codes of the **SECU MultiPID** and TAGs/PIDs of other suppliers we offer the **SECU PIDTest** device, which shows all stored information in text format on a display by simply contacting it to ground and isolated loading arm or filling point. In case of any problems during loading or unloading of a tank truck the cause of trouble can easily be detected.

Other Products will presented

## ***SECU Data***

Wireless Data Transfer



## ***LRC Level Remote Control***

Overfill Prevention



For more about our products please visit us at stand 229. Near the Cafe Shop.