

# Overfill Prevention Controller EUS-2

According to European Standard EN 13922 and American Standard API RP 1004 for bottom-loading tank trucks

## Full Compliance with European and API Standards

As stationary part of the Overfill Prevention System for liquid fuels our new Controller EUS-2 has been designed in full compliance with related standards EN 13922 and API RP 1004. Therefore full compatibility to various counterpart truck equipment in different wiring configurations is ensured for world-wide operation.

The new EUS-2 Controller automatically identifies the type of level sensors (five-wire or two-wire sensors) as well as the type of grounding control (with or without ground recognition device) when connected to the tank truck and activates the required operating mode automatically. Up to eight two-wire sensors (of optic or Thermistor type) or 12 five-wire sensors can be controlled by the EUS-2 Controller. Beside the status of the level sensors and the proper electrostatic grounding of the tank truck the EUS-2 Controller also monitors continuously the correct connection of the vapour recovery hose. The consistent monitoring of all preconditions for filling release ensures a safe filling process. Bright and distinctly visible signal lights indicate the state of filling release. In addition all operating states are displayed as plain text messages on a large, multi-functional graphic display.

## Highest Functional Safety

The new Overfill Prevention Controller EUS-2 permanently performs an auto-diagnosis of all safety related internal components and the external wiring. In combination with two self-monitored, redundant control outputs highest functional safety of the loading process is granted. Furthermore EUS-2 is equipped with several extra features such as additional control outputs, which are optionally configurable to different operating modes, and a serial data bus interface serving for an optimum control and signalling during the filling process according to individual customers' needs.

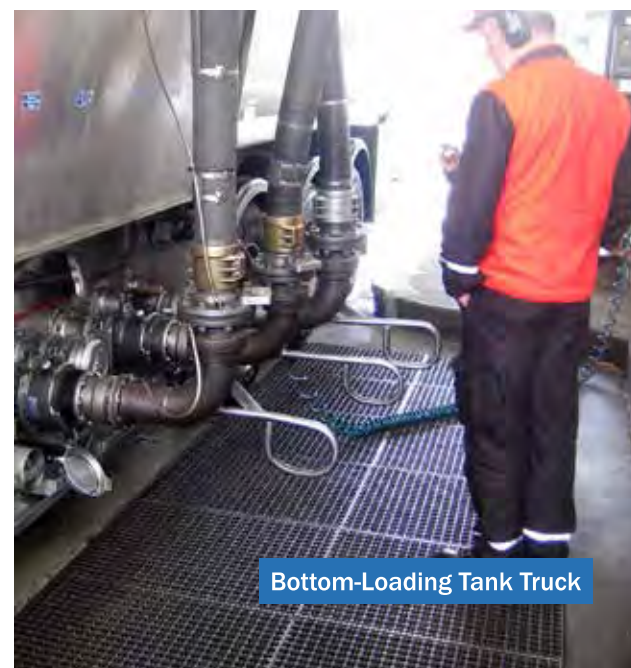
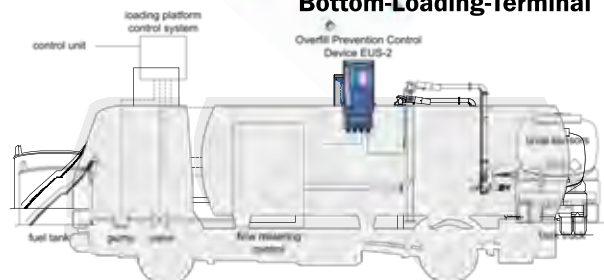
## Further Features and Improvements

- EUS-2 is designed Ex-proof in accordance with latest standards related to European directive 94/9/EC (ATEX 95) and intended for certification
- For gas hazardous areas of zone 1, gas group IIB.
- User-friendly type of protection enables device to be opened for configuration and maintenance in hazardous areas.
- Extended operating temperature range from -40°C to +60°C.
- The bright LED signal lights are far-away visible in a wide angle range of 180°.
- The multi-functional operational graphic display also serves for simple menu-guided and self-explaining device configuration. Several character sets for different languages are available.
- Wide range of accessory equipment available, e.g. an Ex i disconnecter socket with an electronic parking socket for signalling "Truck Connector in Parking Position".

**EUS-2**  
Overfill Prevention Controller  
EUS-2 for bottom-loading  
tank trucks



**Bottom-Loading-Terminal**



**Bottom-Loading Tank Truck**