

Overfill Prevention Controller EUS-2

Application

The EUS-2 Controller is the stationary part of the Overfill Prevention System for bottom loading tank trucks according to EN 13922. It **monitors and controls the filling process** of liquid fuels. To ensure a safe filling process EUS-2 monitors the maximum permissible **filling level**, the **grounding** and the **vapour recovery connection**.

Highest Level of Functional Safety

The Overfill Prevention Controller EUS-2 **permanently** performs an **automatic self-test cycle** of all safety related internal components and external connecting elements. In combination with two **self-monitored, redundant control outputs** it ensures highest functional safety of the loading process. Furthermore, EUS-2 is equipped with **additional control outputs**, that are optionally configurable to different operating modes and a **serial data bus interface**. These additional features provide optimal solutions to control and indicate the filling process accomodating **individual customer needs**.

Simple Operation & Configuration

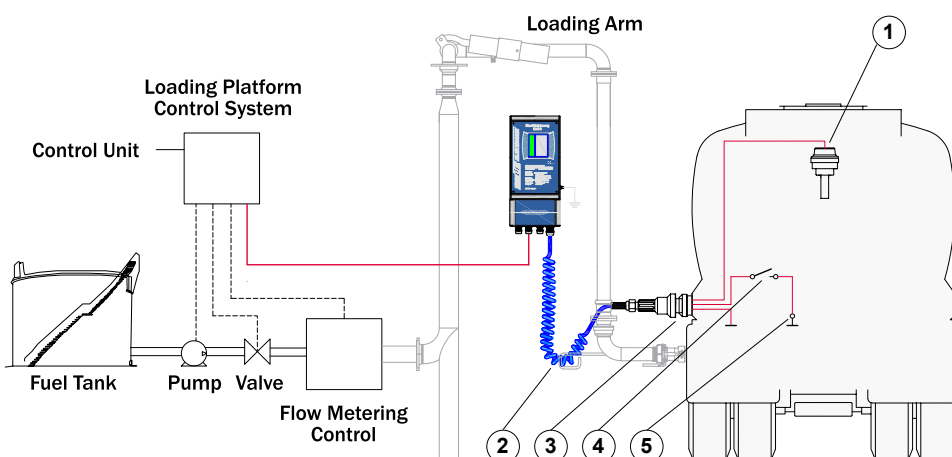
The EUS-2 is equipped with a clearly visible bright multi-colour **signal light** and a large **graphic display**, which indicate the current **operating status** and also the **self-test information**. In combination with the innovative **joystick** and **self-explaining configuration menu** simple handling and customized configuration of the device (e.g. of the control outputs) is provided. Various character-sets are available for different languages.

Global Operation

Two types of plug and socket connections are available for EUS-2 (standards according to **EN 13922 or API RP 1004**). It automatically detects which type of truck is connected and activates the respective operating mode. The Overfill Prevention Controller EUS-2 is designed in accordance with the latest standards related to the European Explosion Prevention Directive **2014/34/EU (ATEX)** for operation in hazardous areas of **zone 1, gas group IIB** as well as to the international standard **IECEx**.



Coiled Cable with Truck Connector Plug



1. Level Sensors
2. Coiled Cable with Truck Connector Plug
3. Plug Coupling
4. Interlock Vapour Recovery
5. Earth Connection