Security During Loading

The basic function is AUTOMATIC EARTHING of tank trucks and railcars to the ground to ensure safe (un)loading operation at site.

GME4 is designed for discharging of electrostatic charge of tank trucks or railcars during the (un)loading of flammable liquids. The discharging is made by grounding.

Tankers can get electro-statically charged during driving and/or (un)loading, especially under dry or silty environmental conditions. Proper electrostatic discharging of the tanker significantly reduces the risks of electrostatic sparks and consecutive explosions.

Function

GME4 incorporates 2 functions:

A  Grounding. The clamp is connected through cable and electronics to the ground and GME4 ensures the lead of electrostatic charge.

B  Signalization. GME4 indicates the grounding status by lights on the front panel and by relay contacts. The contacts supposed to be connected with the electrical/control system, which will block the loading when grounding is not correct. The second output signal can be used for external alarm (horn or lights).

Safer

The non-conductive measuring principle is used to verify grounding and therefore is resistant against incorrect usage. Incase the clamp is short circuited (e.g. connected directly to steel construction) this is evaluated as INCORRECT grounding and NO permissive signal will be generated.

Features and Benefits

- Continuous grounding & testing
- Monitors 3 states: Tanker connected correctly; Connection to earth point correct; Clmap not connected.
- Non conductive measuring principle
- Relay output with double contact
- Intensive (Red/Green) status indicator lights
- Exd protection
- Robust construction
- Easy installation
- No service required
- Cable (10 meter) and clamp included
- 2 clamp version GME6, clamps can be individually set to Truck or Railcar.

Accessories

Cable  
10 meter spiral cable
Cable reel