

GROUNDING

TERRALIGHT



eltex

electrostatic
innovations



Grounding System **TERRALIGHT**



GROUNDING



The **TERRALIGHT** for reliable container monitoring



Minimizing risks when handling potentially explosive media

In smaller quantities, highly flammable materials are often filled by hand. As in these cases there is no reliable ground connection of the containers, barrels, scoops or hoppers, there is a high explosion hazard due to uncontrolled electrostatic sparks.

The **TERRALIGHT** now provides safety, even for manual processes. It checks whether the grounding contact has a conductive connection to the object being grounded and even whether it has a connection to potential equalization. This helps ensure reliable dissipation of static charges.

In order to keep the installation complexity as low as possible, the **TERRALIGHT** is powered by a set of batteries. An integrated wall holder enables quick and easy installation.

Green light for manual processes

TERRALIGHT indicates a correct connection with a green light signal. It can be toggled from being always on to flashing at a one or three second interval. Continuous measurement of the low resistance of the potential compensation can be switched on or off. This allows for optimal adjustment of **TERRALIGHT** to the corresponding grounding requirements, which optimizes battery life. The battery can last up to two years. The device lets you know promptly when a change is needed.

Features

- safety for manual processes
- optimal adjustment to grounding requirements
- separate from the grid thanks to battery operation
- system safe

System safe because it can be connected to Eltex grounding components

All active Eltex cable rewinders, grounding cables and grounding spiral cables as well as ground clamps can be connected to the **TERRALIGHT**. With the new **TERRACLAMP** with its integrated LED light, the grounding signal is additionally displayed directly on the clamp.





Technical specifications

Supply voltage	power supply via 3 x 1.5 V D cells; low battery voltage is displayed on the yellow LEDs
Ambient operating temp.	-18...+0°C (-0.4...+122°F)
Storage temperature	-40...+80°C (-40...+176°F), without battery
Ambient humidity	max. 80% r.h., non-dewing
Enclosure material	stainless steel with wall bracket
Protection class	IP65 according to EN 60529
Dimensions	240.5 x 155 x 108 mm (H x W x D)
Weight	1.75 kg
Measurement circuit	intrinsically safe according to EN 60079-11 maximum voltage U_0 : 6.0 V DC maximum current U_0 : 0.25 A maximum output U_0 : 0.36 W maximum permissible connected load capacity / inductance: C_0 : 1.49 μ F, L_0 : 630 μ H
Operating points	ON <20 kOhm, OFF >50 kOhm / \pm 20%
Permissible Typee of batteries (D cells)	Duracell Plus Power MN 1300 ENERGIZER MAX LR20 ENERGIZER LR20 ALKALINE POWER PTB 18 ATEX 2005 X
Approval	Ⓔ II 1G Ex ia IIC T4 Ga, II 1D Ex ia IIIC T135°C Da
Identification	

Dimensions

