TIMM

TRUSTED TECHNOLOGY

TIMM BITE SMART LED

MONITORED GROUNDING – INDEPENDENT AND MOBILE

Electrostatic grounding protects against explosions – but only if it is actually present. With the TIMM BITE Smart LED, you can easily see whether a good grounding connection is in place – with minimal installation effort or fully mobile.

APPLICATION

The TIMM BITE Smart LED is used with a grounding cable for the monitored grounding of conductive containers, IBCs, and drums while they are being filled or emptied. When permanently installed, it is used at filling locations where there is no power connection available or where more complex grounding systems would be uneconomical. Equipped with grounding clamps on both ends, it can be used as a fully mobile grounding solution at various locations. It is certified according to ATEX and IECEx for use in hazardous areas of zones 1, 2, 21, and 22 (EPLs Gb and Db).

FUNCTIONALITY

The TIMM BITE Smart LED monitors the conductivity and connection between the object to be grounded and a designated grounding point. Once a good grounding connection is established, its indicator lights up green. If the connection is poor, it shows red. This immediately indicates whether safety standards are being met. Low power consumption allows for extremely long operation times, even in continuous use. The TIMM BITE Smart LED is powered by replaceable battery.

PRODUCT ADVANTAGES



- **Monitored electrostatic grounding**
- **360° visible** indicator
- Flexible use: **mobile or stationary** - no external power supply required
- **Battery life of up to 3 years** (6 hours/day)
- Activated by **motion sensor** - automatic mode when idle
- **Self-monitoring** and low battery warning
- **Grounding fault indication** for easy handling
- **Quick connectors** ease installation (optional)

TIMM BITE Smart LED



TECHNICAL SPECIFICATIONS

Explosion Protection Type:
Ⓔx II 2G Ex ib IIC T4 Gb
Ⓔx II 2D Ex ib tb IIIC T85 °C Db

Power supply: Replaceable battery (3.6 V)

Switching Limit: 10 Ohms

Maximum Cable Length: 20 m

Ambient Temperature Range: -25 °C to +60 °C

Dimensions: 220 mm, 48 mm ø **Weight:** 0,5 kg

Housing: Aluminum, plastic cap | IP 65

Certificates: ATEX, IECEx

CONNECTION OPTIONS

Mobile solution



Fixed solution



Grounding clamps



TIMM EZ1 2-pole



TIMM Large Bite QC



TIMM Medium Bite QC

All accessories and connection variations can be found in our online shop at **www.timm-technology.com**. Feel free to contact us personally.
We look forward to hearing from you!

Timm Technology GmbH

Senefelder-Ring 45
21465 Reinbek
Germany

Tel. +49 40 248 35 63 - 0
info@timm-technology.de
www.timm-technology.com