

we create solutions

aquasant  

DEAD MAN'S SWITCH



**mipromex<sup>®</sup>**  
dynamic measured value  
monitoring  
for lorry bottom-loading lanes

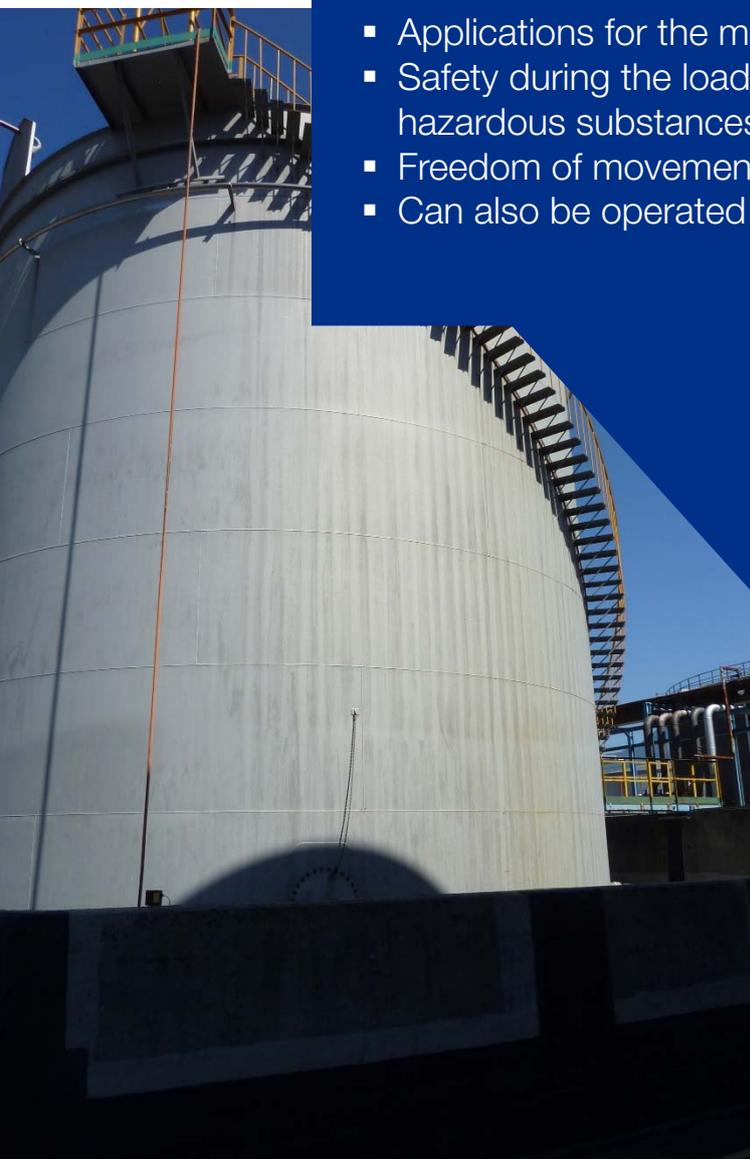
## Protects your health and the environment

When the cold is biting and the coffee is beckoning, the temptation to leave the tanker filling process unattended is strong. But it's obvious that the safety of people and the environment takes precedence. With the dead man's switch hand-held probe, the presence of operating personnel is monitored. The dynamic measured value monitoring device on the handle cannot be bypassed.

- You have a bottom-loading site for lorries or a top-loading rail tank
- You want the security of being able to monitor employees
- You want to ensure the loading processing is monitored
- The system should not be able to be bypassed

### Personal safety during bottom-loading

- Applications for the mipromex® model MLS 1101
- Safety during the loading process with environmentally hazardous substances
- Freedom of movement with 2 m radius
- Can also be operated in the winter wearing gloves



## Safety; load the lorry without accidents

When the cold is biting and the coffee is beckoning, the temptation to leave the tanker filling process unattended is strong. But it's obvious that the safety of people and the environment takes precedence. With the dead man's switch hand-held probe, the presence of operating personnel is monitored. The dynamic measured value monitoring device on the handle cannot be bypassed.

Use the mipromex® MLS 1101 safety measuring system with dynamic limit function and reliable presence monitoring with impedance measurement.

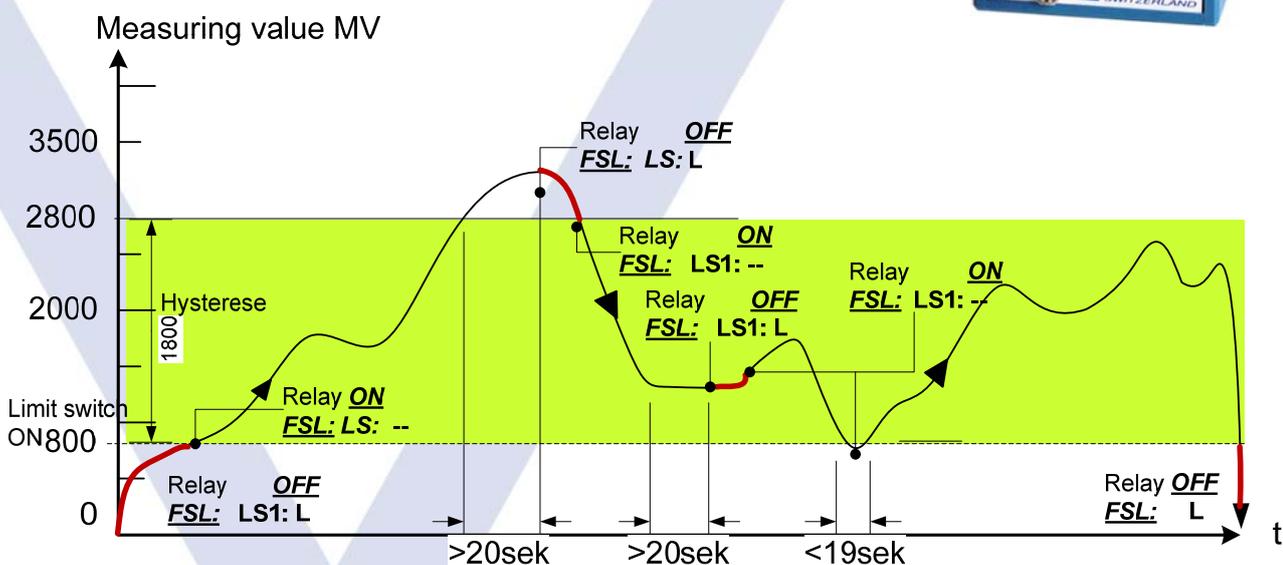
The robustly designed hand-held sensor sits lightly and comfortably in the hand. In the winter, the probe can also be operated while wearing gloves. The manual probe is equipped with a steel spiral hose with tensile relief and a junction box.

The following graphic shows a potential measured value progression and how the valves switch

### Description

The model MLS 1101 limit switch processes the digital measuring signal transmitted by the MTI on-site measuring electronics. The intrinsically safe power supply of the measuring electronics in the handle occurs via the 2-wire cable.

The pulse value and limit statuses are shown on the display. A relay output calibrated for the measured value is available to you as an output signal.



## Overview of mipromex<sup>®</sup> MLS 1101 application

The mipromex<sup>®</sup> MLS 1101 insert is equipped with excellent safety features to prevent the device from being bypassed. The safety system cannot be bypassed thanks to the monitored dynamic of the measured value.

- Ready to use from the factory (plug & process)
- Dynamic measured value processing
- High level of safety in terms of personal protection
- Fail-safe management
- No commissioning required
- Saves time
- Self-monitoring
- Higher system availability
- Cost savings
- No loss of product and no disasters

With the dead man's switch hand-held probe, the driver can comfortably monitor the tanker loading process.

The automatic shut-off of the tanker filling process when personnel is absent or not using the sensor ensures safety in filling lanes.

The tried-and-tested measuring signal already provides for a high level of functional safety, even during the first filling.

Benefit from our many years of experience and request our offer on +41 61 935 5000, or [offer@aquasant-mt.com](mailto:offer@aquasant-mt.com).

