

## W-AS thermal, type 6952-10

- Reliable prevention of tank overflow
- Rechargeable Li-ion battery operation
- Wireless signal transmission (868MHz technology)
- Overspill protection fulfills the safety and environmental protection requirements



### Application

The overspill protection W-AS type 6952-10 is a reliable system to prevent tanks from overflowing. It can be operated with any tanker truck system.

The overspill protection is simply fitted to the connection on the tank which is to be filled before the discharge process starts. The operation is controlled by the "START/STOP" buttons.

### Function

The overspill protection observes the resistance of thermal overflow sensors. If the flow exceeds a maximum setting (sensor starts to be immersed in the product), the discharge process is stopped immediately. The sensor status is relayed wirelessly to the W-AS router type 6952-11 and to the W-AS terminal. This dual transmission path guarantees a secure connection between the overflow monitor and the router. The wireless technology does away with the laborious task of winding and unwinding the limit indicator cable.

### Features

- Handy-sized robust housing
- Li-ion technology for long battery life
- Wireless signal transmission (868 MHz technology)
- Start/stop function
- Status indicator

### Approvals

- Ex approval  
II 3 (1) G  
Ex ic [ia IIC] IIB T4  
EPS 15 ATEX 1 1002

### Standards

EN 16657  
EN 60079-0  
EN 60079-11

## Technical data

### Specific data

*Radio transmission*

Radio frequency	868 MHz
Transmitter power	500 mW
Range	until 3000m (in open terrain)

*Input/ Output*

Output GWG Ex i	DC 19 V $\pm$ 0,3 V 80 mA R = 160 $\Omega$ $\pm$ 3,2 $\Omega$ coupling box type 903 per TRbF 512 / EN 16657 for connecting of limit indicator per TRbF 511, EN 13616-2 For detailed electrical datas see the operatin instruction
Input	Loading-Pin from loadingstation, type 6982-13

*Operating/ display elements*

Button „START“ and „STOP“	Short-stroke button behind foil
Display „Tank empty“	LED green
Display „Tank full“	LED red
Display „Battery“	LED red
Display „radio communication“	LED green

### Electrical data

Operating voltage	DC 3,7V
Battery	Li-Ion
Charging rate	0,75 A by I <sub>OWE</sub> = 80 mA
Battery capacity	1880 mAh (ca. 4h non-stop)
Loading time	ca. 2,5h

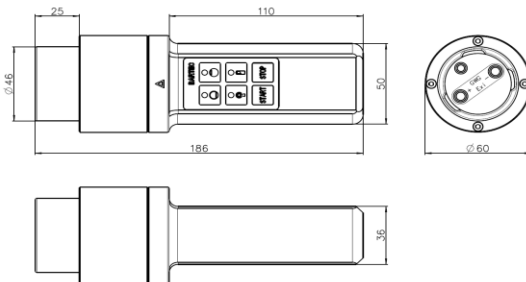
### Ambient conditions

Operating temperature	-10°C...+50°C
Loading temperature	0°C...+45°C
Store temperature	-10°C...+55°C
Ex-licence	II 3 (1) G EPS 15 ATEX1 1002
Type of protection	Ex ic [ia IIC] IIB T4
Standards	EN 16657, EN 60079-0, EN 60079-11
Protective system	IP 65

### Mechanical data

Dimensions	See graph
Weight	ca. 380g (incl. battery)
Material	Polyacetal (black)

### Dimensions



### Data for purchase order

Designation	Order number
W-AS thermal, type 6952-10	361458
Battery change (Only in the factory) incl. LI-ION-Battery	391158