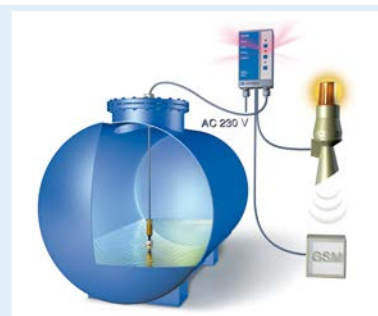
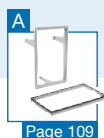


# Level switches

## Minimelder-R and Maximelder-R



- For fuel oil EL, L, M, oil/water mixtures and many other media
- With visual/audible alarms, Acknowledge key and 1 relay
- Wall mounting housing for fast, professional mounting
- EnOcean®-ready



**Application** Designed to signal minimum or maximum levels of water, heating oil EL, L, M, oil/water mixtures and neutral, non-viscous and non-adhesive liquids in tanks. System owners are alerted when the supply runs low or if there is a hazard of overfilling.

**Description** Minimelder/Maximelder consist of a control unit and a height-adjustable float probe. The Minimelder probe is mounted in the bottom area of the tank and generates an alarm signal when the liquid level falls and the probe is no longer submerged in the liquid. The Maximelder probe is mounted in the top area of the tank and generates an alarm when the liquid reaches the probe. The liquid levels are adjustable. When these levels are reached, the units generate visual and audible alarms. The integrated relay can be used for transmission of the signal to external alarm equipment or for connection to telecommunication or building control systems. Alarm units with the EnOcean-ready label can be integrated into your existing building automation systems at a later point in time. To do so, plug the EnOcean® wireless module TCM 320 into the EnOcean® interface (PCB of the device). The AFRISO gateway in conjunction with additional AFRISO products with EnOcean® wireless technology allow you to configure a whole range of fully customisable, extensible features for the protection of plants and buildings.

### Technical specifications

#### Operating temperature range

Medium: -5/+50 °C  
Ambient: -5/+55 °C

#### Process connection

Plastic screw fitting G1, with cable gland for height adjustment

#### Probe

Magnetic float switch  
L x Ø: 85 x 25.2 mm  
Float: Plastic (PA/PP)  
Cable: 5 m oil-resistant cable 2 x 0.5 mm<sup>2</sup>  
Material: Brass  
Degree of protection: IP 68 (EN 60529)  
Probe voltage: Max. 17 VAC

#### Connection probe – control unit

Length: 5 m (optionally up to 50 m)

#### Supply voltage (control unit)

AC 230 V

#### Power input

5 VA

#### Switching output

Relay contact: 1 voltage-free changeover contact  
Contact rating: AC 250 V, 2 A

#### Visual indication

Green LED: Mains operation  
Red LED: Alarm condition

#### Audible alarm

Integrated piezo buzzer, can be acknowledged

#### Function test

By means of Test key

#### Housing

Wall mounting housing made of impact-resistant plastic (PC/ABS)  
W x H x D: 100 x 188 x 65 mm  
Degree of protection: IP 30 (EN 60529)

DG: G, PG: 4			Part no.
<b>Minimelder-R</b>	1	-	<b>16701</b>
<b>Maximelder-R</b>	1	-	<b>16702</b>
<b>Spare probe</b> for Minimelder	1	-	<b>16703</b>
<b>Spare probe</b> for Minimelder, 50 m	1	-	<b>16719</b>
<b>Spare probe</b> for Maximelder	1	-	<b>16704</b>
Accessories (DG: G, PG: 1)			
<b>Mounting frame</b>	1	-	<b>43521</b>
<b>Sealing kit</b> (IP 54)	1	-	<b>43416</b>
<b>EnOcean® wireless module</b> TCM 320	1	-	<b>78082</b>