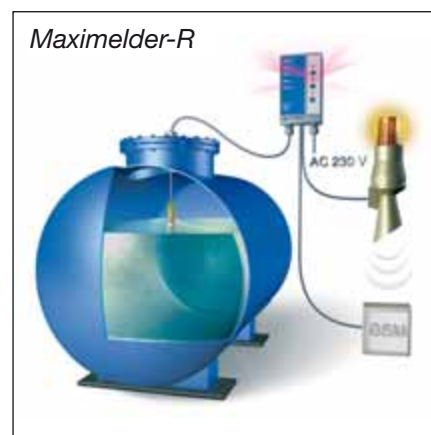


# Level switches

## Minimelder, Minimelder-R and Maximelder-R



01

### 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.

### Description

Mini-/Maximelder consists of a control unit and a height-adjustable float probe. The Minimelder probe is suspended in the lower part of the tank and generates an alarm signal when the liquid level drops below the probe. The Maximelder probe is mounted in the upper part of the tank and generates an alarm when the liquid reaches the probe. The switching level is adjustable. When these levels are reached, the units generate visual and audible alarms.

### Minimelder

Generates an alarm signal when the level falls below the minimum level. Cost-effective solution for building automation applications. System owners are alerted to a low fuel oil level in time.

### Minimelder-R

Similar to Minimelder, but with a relay (normally open contact) for transmission of the signal to external alarms or for connection to telecommunication or building control systems. For professional applications.

### Maximelder-R

Generates an alarm when the level reaches the maximum set liquid level. In all other respects similar to Minimelder-R.

### Technical specifications

#### Permitted media

- Water
- Fuel oil EL, L, M
- Oil/water mixtures
- Non-viscous and non-adhesive liquids

#### Operating temperature range

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

#### Process connection

Plastic screw connection 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> brass  
Weight: IP 68 (EN 60529)  
Protection: Max. AC 17 V  
Probe voltage:

#### Connection probe – control unit

Length: 50 m (screened)

#### Supply voltage (control unit)

AC 230 V

#### Power consumption

5 VA

### Relay output

Minimelder-R and Maximelder-R:  
Relay contact: 1 voltage-free contact, normally open  
Contact rating: AC 250 V, 2 A

### Visual indication

1 green LED (power „on“)  
1 red LED (alarm)

### Audible alarm

Integrated piezo-buzzer, with re-set

### Operational test

By means of test button

### Housing

Wall mounting housing made from impact resistant plastic (ABS)  
W x H x D: 100 x 188 x 65 mm  
Protection: IP 40 (EN 60529)

DG: G	PU	Part no.	Price €
Minimelder	1	16700	
Minimelder-R	1	16701	
Maximelder-R	1	16702	
Spare probe für Minimelder	1	16703	
Spare probe für Maximelder	1	16704	
Accessories			
Frame	1	43521	
IP 54 sealing set	1	43416	