



## Alarm unit for separators WGA 02



### Benefits

- For oil, petrol and grease separators
- Layer thickness/overflow alarm
- With EX approval for zone 0

### Application

Oil, grease and petrol pose a great hazard to groundwater and waste water. WGA 02 monitors the thickness of the layer of separated liquid in oil, petrol and grease separators and generates an alarm signal when it is time to drain the separator. WGA 03 can additionally detect the maximum level in the separator. This avoids overflowing that may be caused by clogged outlets or other circumstances. The unit keeps harmful substances from reaching the sewage water system.

### Versions

	Part no.
Alarm unit for separators WGA 02 incl probe WGA-SD 03 (layer thickness)	53540
Probe WGA-SD 03 for layer thickness alarm	53542

Blue part no. = in-stock items

### Description

WGA 02 consists of a control unit and a conductivity probe (WGA-SD 03) for monitoring the oil or grease layer. The control unit is equipped with 2 relay outputs, visual and audible alarms as well as Test and Acknowledge buttons. The WGA-SD 03 probe is mounted below the constant level of the separator. As soon as the oil, petrol or grease layer reaches the critical level, the device generates an alarm signal. WGA 03 is equipped with an additional capacitance probe (WGA-AS). It is mounted above the constant level. An alarm is triggered when the maximum level is reached. The control unit monitors the probes for short circuits or line interruptions.



## Technical specifications

### Operating temperature range

Medium: 0/60 °C  
Ambient: -25/+50 °C

### Supply voltage

AC 230 V

### Power input

Approx. 2 VA

### Switching outputs

Relay contact: 2 voltage-free changeover contacts, 1 can be acknowledged

Contact rating: AC 250 V, 5 A, 100 VA

### Visual indication

1 green LED normal operation,  
1 red LED alarm,  
1 red LED fault

### Audible alarm

Integrated piezo-buzzer, can be acknowledged

### Housing

Wall mounting housing made of impact-resistant plastic (polycarbonate)

W x H x D: 175 x 125 x 75 mm

Degree of protection: IP 65 (EN 60529)

### Ex approval

Ex II (1) G [Ex ia] IIC

### Probe WGA-SD 03 (layer thickness)

Measuring principle: Conductivity

L x ø: 216 x 25 mm

Cable length: 5 m, PVC, oil-resistant

Ex approval: Ex II 1 G Ex ia IIA T5 Ga

### Connection probe – control unit

Max. 300 m

### Scope of delivery

- Control unit
- Probe WGA-SD 03
- Terminal box
- Mounting material