



# Alarm unit for separators WGA 01



## Benefits

- For oil and petrol separators
- Layer thickness/overflow alarm

## Application

Oil and petrol pose a great hazard to groundwater and waste water. WGA 01 monitors the thickness of the layer of separated liquid in oil and petrol separators and generates an alarm signal when it is time to drain the separator. In addition, the maximum level in the separator can be detected. This avoids overfilling 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 01 incl. probe WGA-ES4 (layer thickness)	53410
Probe WGA-R6 for overflow alarm	53419
Probe WGA-ES4 for layer thickness alarm	53418

Blue part no. = in-stock items

## Description

WGA 01 consists of a control unit, a capacitance probe (WGA-ES4) for monitoring the thickness of the oil or petrol layer and an optional additional PTC thermistor probe (WGA-R6) for detecting the maximum level (overflow alarm). The control unit is equipped with 2 relay outputs, visual and audible alarms as well as Test and Acknowledge buttons. The WGA-ES4 probe is mounted at least 150 mm below the constant level of the separator. As soon as the oil or petrol layer reaches the critical level, the device generates an alarm signal. By installing the optional WGA-R6 probe above the constant level, you can also monitor the maximum level. The control unit monitors the probes for short circuits or line interruptions.



## Technical specifications

### Operating temperature range

Medium: -20/+40 °C

Ambient: 0/40 °C

### Supply voltage

AC 230 V

### Power input

Approx. 4 VA

### Switching outputs

Relay contact: 2 voltage-free changeover contacts, cannot be acknowledged

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

### Visual indication

1 green LED layer thickness (operation),

1 green LED overflow (operation),

1 red LED layer thickness (alarm),

1 red LED overflow (alarm)

### Audible alarm

Integrated piezo-buzzer, can be acknowledged

### Function test

By means of test button

### 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 Ga] IIB

### Probe WGA-ES4

Measuring principle: Capacitance

L x ø: 220 x 25 mm

Cable length: 5 m

### Probe WGA-R6 (option)

Measuring principle: PTC thermistor

L x ø: 100 x 22 mm

Cable length: 5 m

### Connection probe – control unit

Max. 200 m

### Scope of delivery

- Control unit
- Probe WGA-ES4
- Cable extension fitting
- Mounting accessories

## Options

- Probe WGA-R6



## Detail views



- 1. Oil
- 2. Water