



## Alarm unit for separators WGA 04



### Benefits

- For oil, petrol and grease separators
- Sand - sludge alarm/layer thickness alarm
- With EX approval for zone 0

### Application

WGA 04 monitors oil, petrol and grease separators for accumulations of sand and sludge and generates an alarm signal when it is time to clean the separator. WGA 05 additionally monitors the thickness of the layer of separated liquid and generates an alarm signal when it is time to drain the separator.

### Versions

	Part no.
Alarm unit for separators WGA 04 incl. probe WGA-SN 01 (sand)	53412
Probe WGA-SN 01 for sand alarm	53416A

Blue part no. = in-stock items

### Description

WGA 04 consists of a control unit and an ultrasonic probe (WGA-SN 01). The probe generates an alarm signal when it detects solid matter between the two probe tips. The control unit is equipped with 2 relay outputs, visual and audible alarms as well as Test and Acknowledge buttons. WGA 05 is additionally equipped with a conductivity probe (WGA-SD 03) for monitoring the layer of oil, petrol or grease. 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. 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

### 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] IIC

### Probe WGA-SN 01 (sand)

Measuring principle: Ultrasonic

W x H x D: 79 x 142 x 21 mm

Cable length: 5 m, PVC, oil-resistant

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

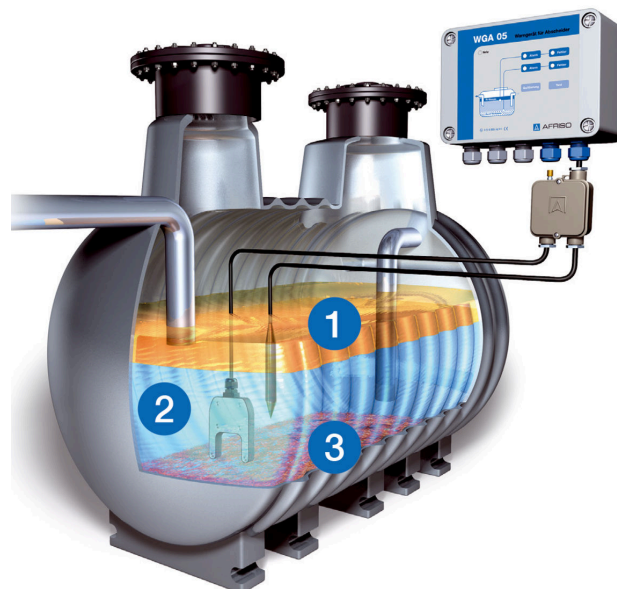
### Connection probe – control unit

Max. 300 m

### Scope of delivery

- Control unit
- Probe WGA-SN 01
- Terminal box
- Mounting material

## Detail views



1. Oil
2. Water
3. Sand / sludge