

Alarm unit for separators WGA 01 D



- For oil and petrol separators
- Up to 3 probes for layer thickness alarm, overflow alarm, sand – sludge alarm
- With LC display



- 1 Oil
- 2 Water
- 3 Sand / sludge

Application Oil and petrol pose a great hazard to groundwater and waste water. WGA 01 D 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 overflowing that may be caused by clogged outlets or other circumstances. The unit keeps harmful substances from reaching the sewage water system. It is also possible to signal impermissible sand or sludge accumulations.

Description WGA 01 D consists of a control unit with LC display and a capacitance probe (WGA-ES4) to monitor the layer thickness of oil or petrol layers. The PTC thermistor probe WGA-R6 for monitoring the maximum level (overflow alarm) and/or the ultrasonic sludge probe WGA-ES8 for monitoring impermissible sand or sludge layer can also be connected. 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, petrol or grease 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. The device automatically detects the connected probes during commissioning.

Technical specifications

Operating temperature range

Medium: 0/40 °C
Ambient: 0/40 °C

Probe WGA-ES4

Function principle: capacitance
Length 220 mm, Ø 25 mm
Cable length 5 m

Probe WGA-R6 (option)

Function principle: PTC thermistor
Length 100 mm, Ø 22 mm
Cable length 5 m

Probe WGA-ES8 (option)

Function principle: ultrasound
H x W x D: 85 x 160 x 32 mm
Cable length 5 m

Connection probe – control unit

Max. 200 m

Supply voltage

AC 230 V

Power input

Approx. 4 VA

Switching outputs

Relay contacts: 2 x voltage-free changeover contacts
Contact rating: AC 250 V/5 A/ 100 VA

Visual indication

LC display, 3 lines

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)

ATEX approvals

Control unit: Ex II (1) G [Ex ia GA] II A

Scope of delivery

Control unit, probe WGA-ES4

Options

Probe WGA-R6
Probe WGA-ES8

DG: H, PG: 4	Part no.	Price €
WGA 01 D incl. probe WGA-ES4 (layer thickness)	53409	
WGA 01 D without probe	53409A	
Additional probe WGA-R6 (overflow)	53419	
Spare probe WGA-ES4	53418	
Additional probe WGA-ES8 (Sand – sludge)	53399	

Blue part no. = in-stock items