

## Leak detector LAG-14 ER



### Benefits

- ATEX approval
- Version as per German WHG and BetrSichV
- With fail-safe mode
- For monitoring of aboveground, double-walled tanks
- Leak detectors class II as per EN 13160-1/-3

### Application

For double-walled tanks with liquid in the interstitial space. For monitoring water-polluting liquids stored aboveground. The LAG container can be installed in hazardous areas zones I and II (e.g. manhole of petrol tanks). Approved for all suitable tanks under atmospheric conditions.

Since July 2003, the LAG-14 leak detector may only be used for replacement deliveries for underground, double-walled tanks as a result of the reclassification of water-polluting liquids in Germany!

### Versions

	Part no.
Leak detector LAG-14 ER with relay, including container and probe	43410
LAG container black	40731
LAG probe	40510
Control unit LAG-14 ER with relay	40642
Mounting frame	43521
Sealing kit IP 54	43416
LAG mounting kit	40540
Mounting kit for 1 LAG additional container without container	40539

Blue part no. = in-stock items

### Description

Class II leak detector (EN 13160-1), with intrinsically safe probe circuit. The system consists of a control unit, a container for leak detection fluid (LAG container black) and a probe. Control unit with operating and alarm indicators, audible/visual alarm, test button and increased interference



protection. The audible alarm can be muted with the Acknowledge button. The voltage-free relay contact is provided for connection of additional external alarm equipment (such as horns,) or an additional alarm unit ZAG 01. With fail-safe mode: Audible alarm if the probe fails. Suitable for panel mounting with a mounting frame; a sealing kit (IP 54) is available for rough application conditions. The LAG container serves as detection container and as expansion vessel at the same time. For aboveground tanks, the ratio between usable contents and total volume of leak detection fluid must be no more than 1:35. If the interstitial space has a greater volume, you must use an additional container.

## Technical specifications

### Operating temperature range

Ambient: -20/+50 °C  
Storage: -20/+60 °C

### Supply voltage

AC 230 V

### Nominal power

5 VA

### Housing

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

W x H x D: 100 x 188 x 65 mm  
Weight: 400 g  
Degree of protection: IP30 (EN 60529)

### Switching output

Relay contact: 1 x voltage-free changeover contact  
Contact rating: AC 250 V, 2 A

### Alarm sound

Min. 70 dB(A)

### Tanks

Antistatic plastic, black  
W x H x D: 300 x 325 x 145 mm  
Active volume: 4.5 l  
Total volume: 10 l  
Outlet: G $\frac{3}{4}$  female  
Degree of protection: IP20 (EN 60529)

### Approval for construction products

CE marking as per EC Construction Products Regulation 305/2011, EU 574/2014, EN 13160-1/-3 and ÜHP

### ATEX approval

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### Scope of delivery

- Control unit
- Tanks
- Probe