

# Leak detector LAG-14 ER



Class II, EN 13160-1/-3



- **ATEX approval**
- **Version as per German WHG and BetrSichV**
- **With fail-safe mode**
- **For monitoring of aboveground, double-walled tanks**



**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!

**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: Alarm is triggered 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 additional containers.

## Technical specifications

### Operating temperature range

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

### Supply voltage

AC 230 V

### Control unit

W x H x D: 100 x 188 x 65 mm  
Degree of protection: IP 30 (EN 60529)

### Switching outputs

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

### Tanks

Antistatic plastic, black  
W x H x D: 300 x 325 x 145 mm  
Usable contents / total contents: 4.5 l / 10 l  
Outlet: G $\frac{3}{4}$   
Degree of protection: IP 20 (EN 60529)

### Approval for construction products

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

### ATEX approval

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DG: G	PG			Part no.	Price €
<b>LAG-14 ER</b> with relay, including container and probe	4	1	5	<b>43410</b>	
<b>LAG container</b> black, without probe	1	1	5	<b>40731</b>	
<b>Control unit LAG-14 ER</b>	4	1	-	<b>40642</b>	
Accessories					
<b>Mounting frame</b>	1	1	-	<b>43521</b>	
<b>Sealing kit</b> (IP 54)	1	1	-	<b>43416</b>	

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See page 49 for a detailed product description LAG container.