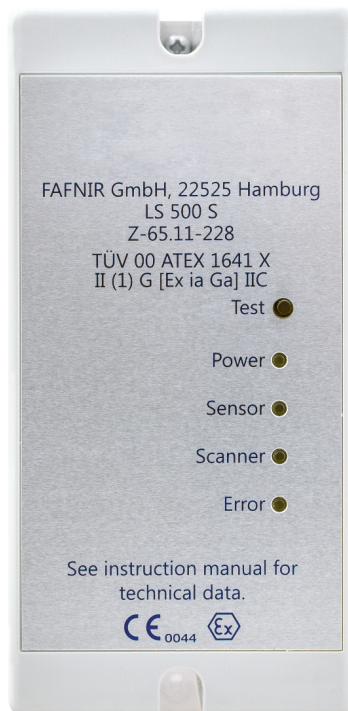




## Transducer LS 500

**Part no. 53310**

**Transducer for overflow prevention system LS for Ex (WHG)**

### benefits

- compact transducer in wall mounting housing
- type-approved together with the level probes LS 300 EU, LS 300 FU oder LS 300 EPU as part of an overflow prevention system
- supply voltage AC 24 V or DC 24 V (option)
- connection of additional alarm unit ZAG 01 possible
- Ex approval

## Application

To avoid overfilling of stationary tanks and stationary-use tanks. Approved without list of substances for water-polluting liquids, also with flash point < 55 °C. The overflow prevention system must be set up in such a way that visual and audible alarms are triggered when the maximum permissible level is reached. The transducer must be installed outside of the hazardous area.

## Description

Transducer with test button. Type-approved together with the level probes LS 300 EU, LS 300 FU or LS 300 EPU as part of an overflow prevention system. The transducer supplies the level probe via an intrinsically safe circuit, evaluates the change in resistance of the PTC thermistor, continuously checks the PTC thermistor operation and monitors the system (power outage, short circuit, line interruption, etc.). Negative results cause the overflow prevention system to respond. The additional alarm unit ZAG 01 can also be connected.

## Technical Specifications

### Operating temperature range

Ambient: -25/+50 °C

### Supply voltage

AC 230 V

### Nominal power

max. 4 VA

### Switching output

Relay contact: 1 x voltage-free changeover contact

### Sensor current circuit (intrinsically safe)

voltage: < DC 15.8 V

Current: < 154 mA

power: < 600 mW

### Housing

Wall mounting housing

W x H x D: 75 x 150 x 110 mm

### approval

DIBt: Z-65.11-228

**EU type examination certificate**  
TÜV 00 ATEX 1641 Ex II (1)G [Ex ia] IIC

**Option**  
• supply voltage DC 24 V or AC 24 V at extra charge

**Options**  
• supply voltage DC 24 V or AC 24 V at extra charge

**Versions**

|                      |          |                                                                                   | Part no. |
|----------------------|----------|-----------------------------------------------------------------------------------|----------|
| Transducer<br>LS 500 | AC 230 V |  | 53310    |

-  in-stock items
-  Non-stock items