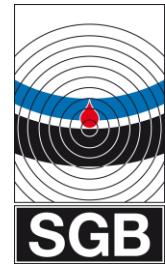


Leak detection technology

For a clean and protected environment



Leakage sensor **LS 50** for the indication of liquids in collecting chambers, monitoring shafts ...

The LS 50 leakage sensor consists of a leakage indicator and one or two sensors. The LS 50 is used to indicate the occurrence of liquid, e.g., in collection rooms, interstitial spaces, catch basins, dome or inspection shafts, filling shafts or also closed rooms with an internal positive or negative pressure.

→ **LS 50: a leak detection system fulfilling class III of European Standard EN 13160**

INDICATING DEVICES



“A” for 1 sensor

Indicating device A (top-hat rail mounting) offers an optical alarm display and a potential-free relay output for alarm forwarding. Any sensor can be connected (1 sensor).



“C” for 2 sensors

Indicating device C (for wall mounting) offers optical and acoustical alarm signals as well as a potential-free relay contact for alarm forwarding. Two different sensors can be connected in the following combinations:

- FS with FS, LS, KS, KVS
- LS with FS, KS, KVS

For the monitoring of

Spaces or areas in which the appearance of liquid due to an increase in the liquid is to be signaled. For example: Collection chambers, monitoring room, collection pan, inspection or access shaft, filling shaft, closed spaces with internal overpressure or negative pressure.

Monitorable liquids

Liquids with a density higher than $0,7 \text{ g/cm}^3$ that do not affect the respective probe material. The flash point of the liquid to be monitored must not require any explosion protection measures. The international hazardous substances law provides for a limit of $> 60 \text{ °C}$; national regulations may differ, so Germany with $> 55 \text{ °C}$

Various sensors are used to quickly and reliably indicate the presence of liquids with a flash point $> 55 \text{ °C}$. The sensors are selected depending on the physical and chemical properties of the liquid to be detected.

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SENSORS



Floating switch FS:
 PVC, 5 m cable, holder
 Indication level ≤ 3 cm
 Density medium $> 0,8$ g/cm³
 Temperature -20 ... +60 °C
 Article no. 105 531



Floating switch FS:
 PVC, 5 m cable, self-supporting
 Indication level ≤ 3 cm
 Density medium $> 0,8$ g/cm³
 Temperature -20 ... +60 °C
 Article no. 105 535



Floating switch FS:
 Stainless-steel, 1 m cable, holder
 Indication level ≤ 3 cm
 Density medium $> 0,8$ g/cm³
 Temperature -20 ... +60 °C
 Article no. 105 541



Conductivity sensor LS:
 5 m cable, self-supporting
 Indication level ≤ 5 cm
 Density medium $> 0,8$ g/cm³
 Temperature -20 ... +70 °C
 Article no. 105 550



Capacitive sensor KS:
 5 m cable, self-supporting
 Indication level ≤ 5 cm
 Density medium $> 0,8$ g/cm³
 Temperature -20 ... +70 °C
 Article no. 105 560



Capacitive sensor with Fleece KVS:
 5 m cable, self-supporting
 Indication level = Amount of liquid to drench fleece
 Temperature -20 ... +70 °C
 Article no. 105 565

For applications with petrol, kerosene etc.:
Leakage sensor LS 816

