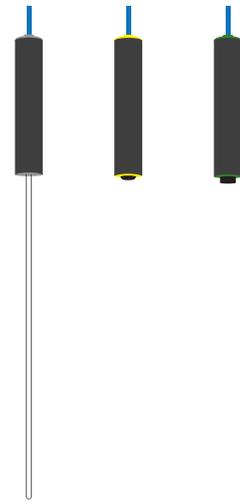


# ASA – Measuring Sensors

*For grease and oil separators*



ASA alarm with measuring sensors is a pioneering solution for monitoring grease and oil separators in explosive environments. It offers a sophisticated electronics unit compatible with up to three digital measuring ASA sensors, providing comprehensive and reliable separator monitoring.

## Features and Benefits:

### Measuring Layer Sensor (ASA-MLP):

- Capacitive layer sensor with measuring rod to accurately measure the thickness of the oil/grease layer.
- Offers not only detection but also accurate measurement of layer thickness to optimize emptying times.
- Provides full control of the separator and reduces the risk of overfilling or inefficient emptying.

### High Level Sensor (ASA-HLP):

- Ultrasonic sensor that quickly detects a rising liquid level in the separator.
- Provides warning when fluid level rises above preset level, indicating potential blockages in outlet or filter.
- Enables quick action to prevent damage and unwanted emissions.

### Measuring Sludge Sensor (ASA-MSP):

- Ultrasonic sensor that measures the level of sludge, sand, and other solid materials in the separator.
- Provides detailed information on the amount of sludge for more efficient maintenance planning and emptying frequency.

## Why choose separator alarm ASA-01 with measuring sensors:

**Safety and Preventive Maintenance:** By monitoring layers, liquid level and sludge level, the ASA-01 reduces the risk of overfilling, clogging and potential damage.

**Efficiency and Cost Savings:** Optimized emptying based on accurate measurements reduces downtime and unnecessary service efforts, leading to significant cost savings.



Technology for Environmental Protection  
Measuring. Controlling. Monitoring.

# ASA - Measuring Sensors

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## Technical specifications:

### Measuring layer sensor ASA-MLP

Enclosure: 150 mm, Ø30 mm (measuring rod 400 mm), PEHD plastic, IP68  
Sensor cable: 5 m oil-resistant, 2 x 0.75 mm<sup>2</sup>  
Liquid temperature: -20°C - + 40°C  
Ex certificate: DNV 23 ATEX 86944X  
⊕ II 1 G Ex ia IIA T4 Ga



### High level sensor ASA-HLP

Enclosure: 150 mm, Ø30 mm, PEHD plastic, IP68  
Sensor cable: 5 m oil-resistant, 2 x 0.75 mm<sup>2</sup>  
Liquid temperature: -20°C - + 40°C  
Ex certificate: DNV 23 ATEX 86944X  
⊕ II 1 G Ex ia IIA T4 Ga



### Measuring sludge sensor ASA-MSP

Enclosure: 150 mm, Ø30 mm, PEHD plast, IP68  
Sensor cable: 5 m oil-resistant, 2 x 0.75 mm<sup>2</sup>  
Liquid temperature: -20°C - + 40°C  
Ex certificate: DNV 23 ATEX 86944X  
⊕ II 1 G Ex ia IIA T4 Ga

