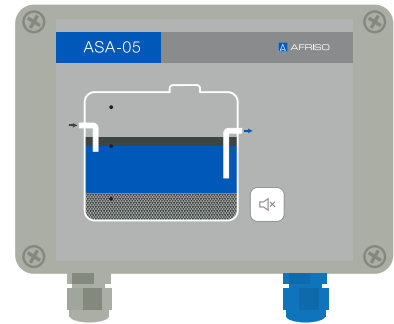


## ASA-05

### *Separator alarm*

### EX-rated grease and oil separator alarm with battery operation



The ASA-05 is an advanced grease and oil separator alarm, specially designed for use in environments with a risk of explosion. It consists of an electronic unit that can be connected to up to three digital ASA sensors.

#### Features and Benefits:

- Battery operation, which makes it suitable for installation in places without mains power.
- Overview image of a separator with status LED for each sensor, which provides quick visual feedback on the state of the separator.

#### Layer sensor (ASA-LP):

- Enables fast detection of the need to empty the oil/grease layer of the separator to reduce the risk of overfilling and downtime.
- Gives the user control over the separator and optimizes the emptying requirement for efficient operation.

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

- Ultrasonic sensor that warns when the liquid level in the separator rises above a preset level above the outlet pipe.
- Provides early warning of potential clogging in outlet or filters, enabling quick action to prevent damage and spills.

#### Sludge sensor (ASA-SP):

- Ultrasonic level sensor that alarms when the level of sludge, sand and other solid materials exceeds the predetermined level.
- Provides continuous monitoring of the sludge level to prevent deterioration of the separator's capacity and reduce the risk of operational disruptions.

#### Why choose ASA-05:

**Efficiency and Reliability:** By detecting oil/grease layer, liquid level and sludge level, the ASA-05 alarms ensure effective maintenance and reduce the risk of downtime and damage.

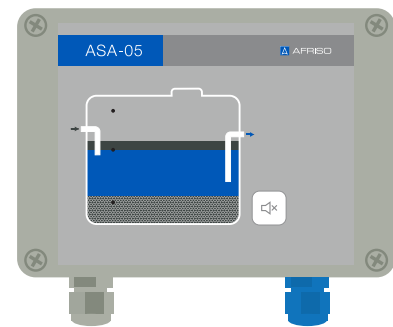
**Safety and Environmental Awareness:** Early warning of potential problems reduces the risk of accidental releases and ensures compliance with environmental regulations and safety standards.



Technology for Environmental Protection  
Measuring. Controlling. Monitoring.

# ASA-05

## Separator alarm



### Technical specifications:

|                      |                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------|
| Housing:             | 175 x 125 x 75 mm (W x H x D), 0,75 kg, ABS plastic, IP 65<br>Front panel with status LEDs |
| Cable connections:   | 2 cable glands and 3 knock-outs. (7–10 mm)                                                 |
| Power supply:        | 4 pcs. Lithium batteries 1.5 V of AA type                                                  |
| Relay outputs:       | 3, one for each sensor. AC 250V / 5A / 100VA                                               |
| Ambient temperature: | -20°C - +60°C                                                                              |
| Alarm:               | 3 LEDs and acoustic alarm                                                                  |
| Ex certificate:      | DNV 23 ATEX 86944X<br>Ⓔ II (1) G [Ex ia Ga] IIA                                            |

### Accessories:

#### 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<br>Ⓔ II 1 G Ex ia IIA T4 Ga |



#### Layer sensor ASA-LP

|                     |                                                |
|---------------------|------------------------------------------------|
| 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<br>Ⓔ II 1 G Ex ia IIA T4 Ga |



#### Sludge sensor ASA-SP

|                     |                                                |
|---------------------|------------------------------------------------|
| 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<br>Ⓔ II 1 G Ex ia IIA T4 Ga |

