

## USE

This alarm system detects the oil level in the separator compartment just before shutter.  
The alarm is suitable for the new sites where the electrical supply is easily available, the installation of the alarm is so efficient and economical.

## OPERATING PRINCIPLE

The control unit can control up to 3 sensors. The unit controls the connected sensors every 30 minutes (adjustable frequency). The current status is displayed on the 2X16 LCD screen located on the front of the unit.

Oils are detected per conduction, the water behaves like a conductor while the oils behave like insulators.

The sensor consists of two stainless steel parts, when one part is immersed in oil, a signal is sent to the control unit which triggers the alarm.

The control unit detects the alarm condition of the sensor: it comes in two versions:

- one reports alarms with a visual sound alarm.
- the second transmits the state of the sensors by GSM (SMS on mobile phone)

A central alarm signal, a modem, or others external alarm devices can also be connected to the relay.

## TECHNICAL CHARACTERISTICS

Temperature: -20°C to 50°C  
3 sensor inlets  
Voltage: 230 VAC ±10%  
Relay outlet: 230 Vac, 3A  
Box protection: IP65  
Intrinsic Safety: [EX ia] IIC (-20°C ≤ Ta ≤ +50°C)  
ATEX certification: Baseefa08ATEX0110X  
Length of probe cable : 5 m

## INSTALLATION

See installation sheet  
- P083 for steel oil separators,  
- P084 for PE oil separators.  
Installation and use instructions are delivered with the alarm.  
The maximum length of the probe cable is 200 m.  
All connections must be made by a professional, assistance may be offered as an option.



SIMOP alarm

## MAINTENANCE

The sensors can be exposed to harsh environments. It is recommended to inspect and clean them regularly. The maintenance of the pieces of the control unit may not be performed by the user. For any repair, consult us.

## ADVICES AND STANDARDS

The oil level alarm allows to satisfy the requirements of the standard EN858 which imposes its using for the use of oil separator.

Reference	Description
ANH22/14320	Visual and sound oil level alarm IP65
ANH22/15200	Visual and sound oil level alarm IP65 + GSM

### Options :

SNB/14220	Sensor detecting the sludge level
SNL/14210	Sensor detecting the liquid level
CR-ANH	Extension cable ATEX
MR-ANH	Connection pipe ATEX