

AHD-SW I / AHD-SW II

Spill Warning Gauge for Ship Alarm Systems



AHD-SW II

Function

- Monitoring and display of fuel levels on yachts with an installed Böning Ship Alarm System

Features

- Acoustic and optic alarm signaling on impending fuel spilling
The acoustic alarm can be muted
- Alarms are signaled to the Ship Alarm System
- Alarms can be acknowledged in the Ship Alarm System
- Available in two versions:
→ AHD-SW I for monitoring one tank
→ AHD-SW II for monitoring one port and one starboard tank
- More than one gauge per tank possible
- Automatic adjustment of LED brightness to ambient lighting conditions

Environmental protection by avoiding fuel spill

Warning signal clearly audible outdoors

Weatherproof robust design for exterior use

Description

The Spill Warning Gauge AHD-SW indicates fuel levels with LEDs.

The alarm limits can be adjusted to the tank's capacity. When a limit for a warning is reached the yellow LEDs flash and the buzzer beeps. When reaching the upper filling level, the red LEDs flash and the buzzer sounds permanently. With the device's button, the buzzer can be muted until the next alarm is triggered. At the same time, the alarms can be signaled on the displays of the Ship Alarm System and can be acknowledged there.

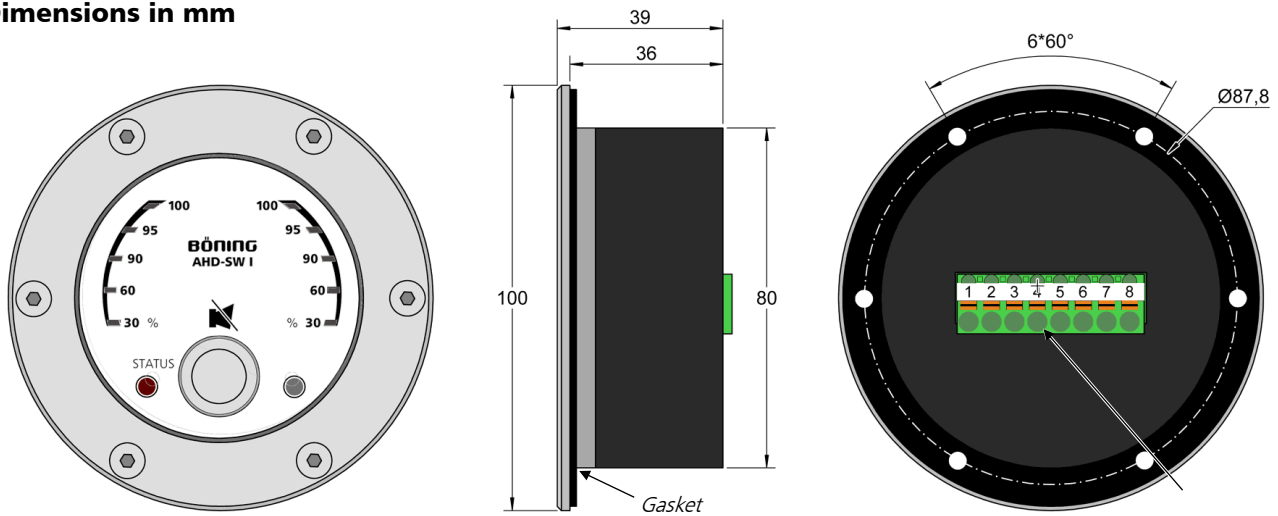
Installed close to the tank nozzle, the indicator minimizes the risk of spilling fuel and thus effectively contributes to water pollution control.

The gauge AHD-SW II can monitor up to two tanks. If a tank can be filled at more than one fuel nozzle, gauges can be installed at each nozzle.

The data station AHD-SAS 15 captures the tank levels and transmits them to AHD-SW and the Ship Alarm System.

This device is a valuable extension of our innovative Ship Alarm System and an important part of modern yacht equipment.

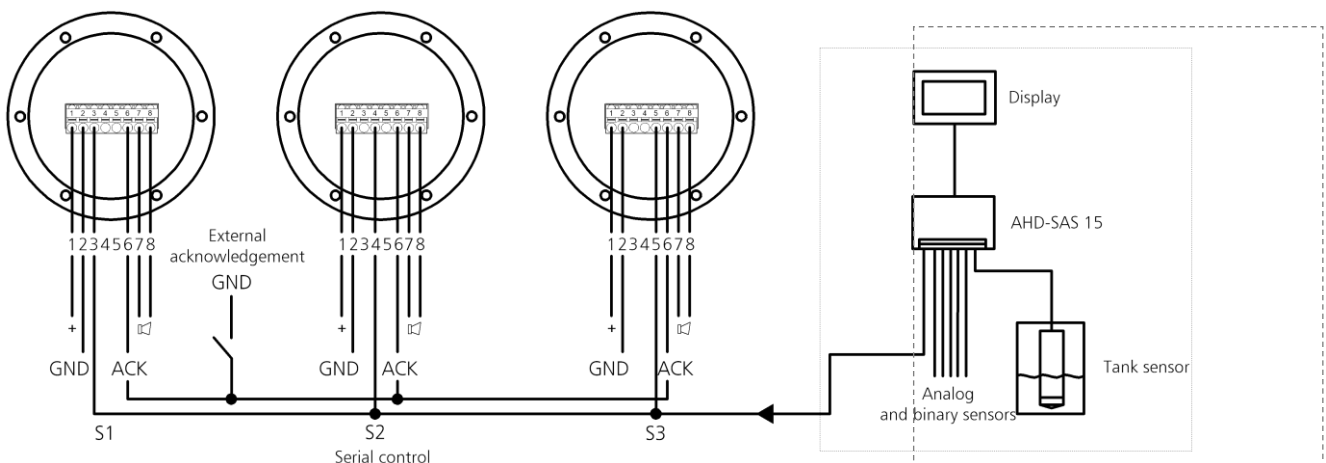
Dimensions in mm



The illustration shows AHD-SW I
AHD-SW II additionally features 'PORT' and 'STBD' labels

Pluggable terminal strip

Connection example



The serial connection determines the tank whose level AHD-SW shows:

- S1: Filling level of the first tank
- S2: Filling level of the second tank
- S3: Filling level of the third tank

For external acknowledgement, for example with an AHD-DPU 9, pin 6 (ACK) must be switched to GND. At an unacknowledged alarm the contact must be open, for example via a relay.

| Technical Data | AHD-SW I / AHD-SW II |
|-----------------------|-----------------------|
| Power supply | 24 V DC |
| Current consumption | Max. 200 mA (24 V DC) |
| Operating temperature | -10...65 °C |
| Storage temperature | -30...85 °C |
| Weight | 0.4 kg |
| Protection class | IP 67 |
| Dimensions | Ø 100 mm x 39 mm |
| Cutout | Ø 81 mm |
| Installation depth | Min. 80 mm |
| Materials | |
| Glass panel | Hardened float glass |
| Front ring | VA 1.4404 |
| Gasket | EPDM 50 |
| Housing | Delrin |
| Item numbers | |
| | AHD-SW I: 10873 |
| | AHD-SW II: 10874 |