

15 PPM BILGE ALARM



BilgMon 488

Main Features

- Unique system of onboard replacement of the measuring cell.
- Measuring cell simple to replace due to wireless design.
- Easy to operate with 4 only pushbuttons.
- Userfriendly menu.
- Compact design.
- 32 character LCD, with LED background light.
- Relays and input are protected by “PTC” resistor fuses. Fuses are reset by disconnection of power supply – no regular fuses to replace.
- System running status shown on LCD in real time.
- Suitable for both newbuildings, as well as existing ships.
- Can be attached to any oily water separator type.

15 ppm Bilge Alarm - General

The IMO Res. MEPC.107(49) resolution regulates the design and performance of the oily water separators and the 15 ppm Bilge Alarms for machinery space bilges of ships. Each ship must have a certified 15 ppm bilge alarm

for measuring the oil content in the discharge water. The 15 ppm Bilge Alarm shall give an alarm and initiate automatic stop of overboard discharge of oily mixtures, according to the latest requirements.

BilgMon 488

The 15 ppm Bilge Alarm type BilgMon 488 is approved and certified in accordance with the latest IMO resolution MEPC.107(49) and in addition, designed to meet the particular needs from the crew when processing the bilge water.

The BilgMon 488 has a unique system of replacing the old measuring cell with a new one, and still keep all data saved in the memory. This function enables the crew to easily replace a damaged measuring cell, or attach a new calibrated measuring cell to the power module, when a calibration of the unit is needed. The replacement cell is delivered with a factory calibration certificate, and both

units will be automatically updated after being joined together. The measuring cell has a heavy duty design, in order to resist the tough running conditions.

The measuring principle by using IR light detection in the measuring cell, is a well proven and reliable examination method of the sample flow from the oily water separator.

The processor in the power module will store all requested data, and this data will clearly be presented in a LCD at the front of the unit. Connection to an external printer is available if required, through a serial communication interface. The unit is also provided with a solenoid valve function for cleaning water to measuring cell.

Approvals

The BilgMon 488 is type approved by the Marine Administration as specified in the IMO regulations. In addition to this, the system is type approved by several classification societies. It has also the "MED"- Marine

Directive approval, for equipment to be installed onboard ships, in accordance with the European Council Directive 96/98/EC.

Technical Data

Measuring range: 0-30 ppm. **Alarm 1:** 1-15 ppm adjustable. **Alarm 2:** General alarm to control room.
Supply voltage: 110/220 VAC or 24 VAC. **Cleaning:** Relay output for solenoid valve same as supply voltage.
Protection: IP 65. **Printout capability:** RS 232 adapter. **Overall dimensions:** 210 x 200 x 100 mm (L x W x D).
Net weight: Power module 1,2 kg/measuring cell 1,1 kg.



The Brännström company, based in Sweden, has over 20 years experience in designing and manufacturing robust computer systems for measuring oil in water contamination, such as ODMCS-systems, 15 ppm Bilge Alarms, as well as other kinds of units for treatment of potable water, and process water. Service, spareparts, commissioning and installation supervision can be obtained from a world wide net of appointed agents and distributors.

We reserve the right to make changes without previous notice.

Distributor