

15ppm Alarm – BILGMON 488

The 15ppm bilge alarm type BILGMON 488 is type approved to meet the requirements of IMO Resolution MEPC.107(49), and with its small dimensions it is ideal also for retrofit on existing separators.

In connection to IOPP certificate renewals, the smart detachable measuring cell with wireless communication is easy to remove and replace with a newly calibrated cell, if this is preferred to having the system accuracy checked on board.

On special request the BILGMON 488 is also available as a 5ppm version meeting the requirements of Class notation “Clean Design”.



TECHNICAL FEATURES

- Oil content range 0 – 30ppm (current output 0-20mA or 4-20mA)
- Approvals according to MEPC.107(49)
- Power supply 115/230 VAC or 24V AC/DC
- Measuring cell with wireless communication, easy to replace
- Automatic fresh water flushing
- User interface LCD display and keypad
- Data retrieval via LCD display or USB
- Supplied complete with 3-way flushing valve, piping set, connectors

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BILGMON 488 Specification

Versions:

When ordering, specify high voltage (115/230V AC) or low voltage (24V AC/DC) version.

Measurement:

Oil range:	0 – 30 ppm
Resolution:	0.1 ppm
Accuracy:	According to IMO MEPC.107(49)
Response time:	< 3 sec

Alarms:

Alarm 1 (valve control) delay:	0-10 sec user adjustable
Alarm 2 (annunciation) delay:	0-600 sec user adjustable
Alarm points 1 and 2:	1-15 ppm user adjustable
Alarm hysteresis:	0.5 ppm (below alarm point)

Data storage and retrieval:

Calibration storage:	Stored in sensor housing
IMO required data:	Stored in BilgMon488 main housing (sensor housing may be replaced with data remaining on board)
IMO required data retrieval:	Via LCD display or USB

User interface:

LCD display:	2x16 alphanumeric display
Control:	4 button keypad

Input/Output:

Current output:	0 – 20 mA or 4 – 20 mA for 0 – 30 ppm
Communications:	USB serial communication (separate cable and software)
Alarm outputs:	115/230 V AC model: 2 x relays (0.25A) 24 V AC/DC model: 2 x relays (1A)
Clean water solenoid valve output:	115/230 V AC model: 1 x relay (0.5A, supply voltage) 24 V AC/DC model: 1 x relay (1A, supply voltage)
Switch input:	1 x switch input for separator status

System and supply:

Supply, High voltage version:	1 A, 115 or 230 V AC, 50 – 60 Hz
Supply, Low voltage version:	1.5 A, 24 V AC (50 – 60 Hz) or 24 V DC
Power consumption electronics:	10 VA
Power consumption solenoid:	18 VA

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