

OMD-21

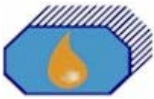
15ppm Bilge Alarm



Compact 15ppm Bilge Alarm, with superior solids suppression capabilities

According to the regulations of IMO Resolution MEPC.60(33),
U.S. Coast Guard CFR 162.050-35 and Canadian Standard for 5ppm Bilge Alarm

We help to protect the Environment



Specification

Range (measurement & indication)	0 to 50 ppm
Range (IMO specification)	0 to 15 ppm (according IMO regulations)
Accuracy	better than IMO MEPC.60(33)
Electrical power supply	24V to 240V, AC or DC, automatic voltage adjustment
Electrical power consumption	less than 6W / 6VA
Sample	Oily water from separator outlet, 0,1 - 4 l/min.
Sample pressure	0 to 10 bar
Sample temperature range	+1°C to +65°C
Sample connections	R 1/4" ISO female
Alarm 1 & 2 Set Point	1 to 15 ppm (independently adjustable)
Alarm 1 operating delay for annunciation purposes	1 to 540 sec.
Alarm 2 operating delay for control purposes	1 to 20 sec.
Alarm contacts	2 independently adjustable switchover contacts
Alarm contact operation mode	De-energized in Alarm State
Alarm contact ratings	3A, 240V each
Alarm output	0..20 mA or 4..20 mA Current Loop, selectable
Display	Numeric 2-Digit LED Display
Ambient temperature	+1°C to +55°C
Class of protection	IP 65
Dimensions	152 mm x 155 mm x 91 mm (width x height x depth)
Weight	2,55 kgs

(Note: The manufacturer reserves the right to change or amend specifications without notice.)

General information

The OMD-21, 15ppm Bilge Alarm exceeds the requirements of IMO Resolution MEPC. 60 (33). With the OMD-21 DECKMA Hamburg offer the most advanced oil content measuring device, to prevent reliably pollution from oil.

The OMD-21 measures the oil content in the sample through our advanced light scattering principle. Infrared light is passed through the sample and captured by an array of solid state sensors. The signals are then processed and through the application of advanced algorithms the displayed oil content disregards virtually all influence of solids present in the sample. Thus oil content is displayed and turbidity from other sources is disregarded.

The OMD-21 provides two independent alarm contacts, for the operation of an audible alarm and/or operation of an automatic overboard discharge shutdown device.

Special versions such as shock-proof, antimagnetic for Navy application or options like auto-clean system, higher sample throughputs are available on request.

Contacts / Enquiries:

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U. S. Department of Homeland Security
United States Coast Guard
Certificate of Approval

Coast Guard Approval Number: 162.050/3032/0

Expires: 16 July 2012

OIL POLLUTION PREVENTION EQUIPMENT

The following device has been tested in accordance with
IMO Resolution MEPC.60(33)

DECKMA HAMBURG GmbH
Kieler Strabe 316
HAMBURG D-22525
GERMANY

Model OMD-21; 15ppm bilge alarm:

The equipment listed above, manufactured by Deckma Hamburg GmbH, has been examined and tested in accordance with the requirements of IMO Resolution MEPC.60(33). The Bilge Alarm analyzing unit is manufactured by Deckma Hamburg GmbH to dwg. DH65010-01 dated February 22, 2002, Electronic section is manufactured by Deckma Hamburg GmbH to dwg. 65625-10 dated February 22, 2002.

A copy of this certificate should be carried aboard a vessel fitted with this equipment at all times. IMO Certificates of Type Approval do not expire and are valid for equipment manufactured at any time during the period of validity of this certificate. Test data and results are attached in the appendix.

This certificate documents compliance with 46 CFR 162.050.

In accordance with IMO Resolution MEPC.107(49), paragraph 1.3.1.1 and IMO MEPC Circular 420, paragraph 2.1, this certificate is valid only for initial installations fitted on or after January 1, 2005 to ships whose keels were laid before that date.

*** END ***

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.



GIVEN UNDER MY HAND THIS 16th DAY OF
JULY 2007, AT WASHINGTON D.C.

T. E. Meyers

T. E. MEYERS
Chief, Engineering Division
U.S. Coast Guard Marine Safety Center

TERMS: The approval of the item described on the face of the Certificate has been based upon the submittal of satisfactory evidence that the item complies with the applicable provisions of the navigation and shipping laws and the applicable regulations in Title 33 and/or Title 46 of the Code of Federal Regulations. The approval is subject to any conditions noted on this Certificate and in the applicable laws and regulations governing the use of the item on vessels subject to Coast Guard inspection or on other vessels and boats.

Consideration will be given to an extension of this approval provided application is made 3 months prior to the expiration date of this Certificate.

The approval holder is responsible for making sure that the required inspections or tests of materials or devices covered by this approval are carried out during production as prescribed in the applicable regulations.

The approval of the item covered by this certificate is valid only so long as the item is manufactured in conformance with the details of the approved drawings, specifications, or other data referred to. No modification in the approved design, construction, or materials is to be adopted until the modification has been presented for consideration by the Commandant and confirmation received that the proposed alteration is acceptable.

NOTICE: Where a manufacturer of safety-at-sea equipment is offering for sale to the maritime industry, directly or indirectly, equipment represented to be approved, which fails to conform with either the design details or material specifications, or both, as approved by the Coast Guard, immediate action may be taken to invoke the various penalties and sanctions provided by law including prosecution under 46 U.S.C. 3318, which provides:

"A person that knowingly manufactures, sells, offers for sale, or possesses with intent to sell, any equipment subject to this part (*Part B. of Subtitle II of Title 46 U.S.C.*) and the equipment is so defective as to be insufficient to accomplish the purpose for which it is intended, shall be fined not more than \$10,000, imprisoned for not more than 5 years or both."