

Request regarding accuracy check test • calibration of 15ppm bilge alarm

This product is important equipment in order to monitor preservation of the marine environment. It is also an extra-sensitive measuring device and it might become less accurate due to repeated use over the years. For accuracy assurance, regular accuracy check test by our company or our service agent or check and calibration at our factory is necessary.

1. FOCAS-1500C to which MEPC60(33) is applied.

If the unit is more than 5 years old, we recommend you accuracy check test by our company or our company's service agent or calibration at our factory as early as possible. In order to keep the accuracy of the unit, you are also recommended to carry out calibration at our factory or accuracy check test by our company's service agent once a year or once every two years.

2. FOCAS-1800 to which MEPC107(49) is applied.

The following "precision certificates " are included with all FOCAS-1800 shipments. For the rule compliance, the certificate validity is within 5 years after issuing date. Therefore, before it expires, be sure to carry out accuracy check test by our company or our service agent near you or calibration at our factory. Or the unit may be replaced by a calibrated 15ppm bilge alarm.



In order to keep the accuracy of the unit, you are recommended to carry out calibration at our factory or accuracy check test by our company or our company's service agent once a year or once every two years.

If you get inadequate accuracy due to status of use, main unit exchange etc will be necessary. Therefore please contact our company or our representative offices in advance.

(Contact information)

- Fellow Kogyo Co Ltd. Tel 813-3800-9777 Fax 813-3800-9770
Website:<http://www.fellow-co.com>
- Our overseas representative offices Please refer to the above website
- Manufacturers of oily water separator in Japan(Contact the manufacturers in current use)

Procedure for accuracy check · calibration of 15ppm bilge alarm

1. To assure accuracy, please request regular accuracy check test by our service agent or our engineer or calibration at our factory.
2. The following certificate will be issued after accuracy check or calibration.
(Information in this certificate is subject to change without notice.)


Step 1


If certified engineer attend the vessel (or in the workings of the agent's factory) and accuracy of the bilge alarm stays within the guidelines, he will issue the following temporarily certificate and hand one copy to you. Please retain this copy on board a ship until you receive formal certificate sent by our company or our company's representative offices at a later date. If accuracy of bilge alarm is outside of correct range, one of the following three actions should be taken.

- 1 Part replacement based on our condition (FOCAS - 1500C)
- 2 Replacement of the complete set (FOCAS - 1800)
- 3 Calibration and repair at our factory

FOCAS-1500C temporarily certificate

FOCAS-1800 temporarily certificate

 124-6 Chama, (Hibiya-cho), Akihabara, Tokyo 110-0013, Japan TEL. +81-3-3000-9111 FAX +81-3-3000-9110 http://www.fellow.co.jp			
Precision Certificate			
精度検査証明書 (Certificate No.: will be indicated by maker label)			
Service Agent authorized by FELLOW KOGYO CO., LTD.			
<div style="border: 1px solid black; width: 100%; height: 20px; margin: 5px 0;"></div> Approved Agent No. FE			
Owner's name: _____ Vessel name: _____ IMO No.: _____ Equipment: 15ppm Bilge Alarm (Oil Concentration Detector) Model: FOCAS-1500C Serial No.: _____ Date of manufacture: _____ Guidance: The FOCAS-1500C meets the requirements of IMO Resolution MBRP00(15). The Certificate guarantees period in E pages by maker's recommendation. It will be checked accuracy test or replacement with a calibrated product in every E pages.			
Accuracy Test:			
Test solution	Brand (Telephone)	Pass/Fail	Tuned by
5ppm	ppm	<input type="checkbox"/> Pass (Recommended accuracy) <input type="checkbox"/> Fail (Recommended accuracy)	
10ppm	[10±0.5]ppm	<input type="checkbox"/> Pass (Recommended accuracy) <input type="checkbox"/> Fail (Recommended accuracy)	
Supply Voltage	□ [100V-100V]		
Checked by: Signature _____ (Maker's staff or person concerned)			
Date of issue (Date): _____ (Valid for one year after issued by maker's recommendation)			
Service engineer: Signature _____			
Company name: _____ Page 1 of 1 Should be distributed one copy to Fellow Kogyo.			

 124-6 Chama, (Hibiya-cho), Akihabara, Tokyo 110-0013, Japan TEL. +81-3-3000-9111 FAX +81-3-3000-9110 http://www.fellow.co.jp			
Precision Certificate			
精度検査証明書 (Certificate No.: will be indicated by maker label)			
Service Agent authorized by FELLOW KOGYO CO., LTD.			
<div style="border: 1px solid black; width: 100%; height: 20px; margin: 5px 0;"></div> Approved Agent No. FE			
Owner's name: _____ Vessel name: _____ IMO No.: _____ Equipment: 15ppm Bilge Alarm (Oil Concentration Detector) Model: FOCAS-1800 (Automatic cleaning type) □ (Manual cleaning type) □ Serial No.: _____ Date of manufacture: _____ Guidance: The FOCAS-1800 has been developed to according IMO Resolution MBRP 10 f (40). The Certificate guarantees period in E pages. It will be checked accuracy test or replacement with a calibrated product in every E pages.			
Accuracy Test:			
Test solution	Brand (Telephone)	Pass/Fail	Tuned by
5ppm	ppm	<input type="checkbox"/> Pass (Recommended accuracy) <input type="checkbox"/> Fail (Recommended accuracy)	
10ppm	[10±0.5]ppm	<input type="checkbox"/> Pass (Recommended accuracy) <input type="checkbox"/> Fail (Recommended accuracy)	
Supply Voltage	□ [100V-100V]		
Checked by: Signature _____ (Maker's staff or person concerned)			
Date of issue (Date): _____ (Valid for one year after issued by maker's recommendation)			
Service engineer: Signature _____			
Company name: _____ Page 1 of 1 Should be distributed one copy to Fellow Kogyo.			

Step 2

At a later date, our company or our company's representative offices will send the following formal certificate to the designated area. This certificate should be retained on board a ship without fail. In case check and calibration was carried out at our factory, we will attach the following certificate to the bilge alarm and send them to the designated area

FOCAS-1500C formal certificate

FOCAS-1800 formal certificate

FOCAS-1500C

FELLOW KOGYO CO., LTD.
PRECISION CERTIFICATE
精度証明書

Certificate Number : Issued :

Precision is proved as follows.
下記の数値を証明します。

Model Name (IMO No.)	
Model	FOCAS-1500C
Serial No.	
Date of manufacture	

Test condition	Accuracy test result
0 ppm	ppm
15 ppm ± 5 ppm	ppm

Tested date	
Service Agent (Tested by)	(Signed & stamped No.: FE)

Usul ifimo-difid. 校正されたものは試験です。
Usul si x five ppmn udhx insurd. 有効期限(発行後)5年です。

FELLOW KOGYO CO., LTD.
T 110 00 10 D 0-0 OHCHEK, Wakaijygyzi
Amakawa 1st Bldg, Japan.
TEL 8 10 0800 0 111 FAX 8 10 0800 0 110
http://www.fellow.co.jp

FOCAS-1800

FELLOW KOGYO CO., LTD.
PRECISION CERTIFICATE
精度証明書

Certificate Number : Issued :

Precision is proved as follows.
下記の数値を証明します。

Model Name (IMO No.)	
Model	FOCAS-1800
Serial No.	
Date of manufacture	

Test condition	Accuracy test result
0 ppm	ppm
15 ppm ± 5 ppm	ppm

Tested date	
Service Agent (Tested by)	(Signed & stamped No.: FE)

Usul ifimo-difid. 校正されたものは試験です。
Usul si x five ppmn udhx insurd. 有効期限(発行後)5年です。

FELLOW KOGYO CO., LTD.
T 110 00 10 D 0-0 OHCHEK, Wakaijygyzi
Amakawa 1st Bldg, Japan.
TEL 8 10 0800 0 111 FAX 8 10 0800 0 110
http://www.fellow.co.jp

Reference: certificate of certified engineer

The following certificates are issued to the certified engineers of our service agent. According to the regulation, only certified engineers can carry out accuracy check test.

FELLOW KOGYO CO., LTD.

CERTIFICATE OF APPROVAL

Registration number: FE 1003 Issued date: Aug 22, 2007
Expires: Aug 21, 2013

SAMPLE

This is the Certificate for the Service Agent authorized by FELLOW KOGYO CO., LTD.

FOR SIGNATURE NAMES
TYPE: FOCAS-1500C/1800/1500C/1800
FOCAS-1500C/1800/1500C/1800

GIVEN UNDER MY HAND THIS 22nd DAY OF
AUG 2007, AT THE OWN OFFICE OF FELLOW KOGYO CO., LTD. TOKYO JAPAN

Mr. KATSUMI NAGANO (Signature)

Registered manager of the firm.