

To our customers

Sep 2021

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-1800/2000 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.

FOCAS-1800 precision certificate



FOCAS-2000 precision certificate





- **FOCAS-2000—Replacement of detecting part(Sensor unit) separately sold can be accepted. As the completion of every five years' calibration.**
- 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

—ALL MODELS—

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 temporally 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 alater 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/2000)
- 2 Replacement of the complete set (FOCAS – 1800/2000)
- 3 Calibration and repair at our factory

FOCAS-1500C temporarily certificate

FOCAS-1800/2000 temporarily certificate

7エロ一工業株式会社
FELLOW KOGYO CO., LTD.

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Precision Certificate

精密測定証明書 (Certificate No.: will be indicated by number below)

Service Approved/Authorized by **FETI OW KOGYO CO., LTD.**

Approved/Signat No. **FK**

Order no.: _____
 Vehicle name: _____ IMO No.: _____
 Equipment: IF ppm Edge Alarm(Oil/Ozone sensor in Data deck)
 Model: **FOCAS-1800C**
 Serial No.: _____
 Date of manufacture: _____
 Guidance: The FOCAS-1800C meets the requirements of IECO Resolution
MEPO00(55). The Certificate guarantees period is 2 years by maker's
 recommendation. She will be checked accuracy test or replacement with
 a calibration procedure in every 2 years.

Accuracy Test:			
Test situation	Result (Teleread)	Pass/Fail	Tuned by
Open	ppm	<input type="checkbox"/> Pass (Recommended sensor)	
Open	110 ± ppm	<input type="checkbox"/> Fail (Recommended sensor)	
		<input type="checkbox"/> Fail (Recommended sensor)	
Supply Voltage	V [0.000-3.000]		

Confirmed by: Signature _____
 (Pass/Fail for your concern): _____
 Date of Issue (Month): _____
 (Valid for one year after issued by maker's recommendation date.)
 Service engineer's Signature _____
 Company name: _____
 Page 1 of 1 Should be destroyed copy in Fellow Kogyo.

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Precision Certificate

精密測定証明書 (Certificate Number: will be indicated by number below)

Service Approved/Authorized by **FETI OW KOGYO CO., LTD.**

Approved/Signat No. **FK**

Order no.: _____
 Vehicle name: _____ IMO No.: _____
 Equipment: IF ppm Edge Alarm(Oil/Ozone sensor in Data deck)
 Model: **FOCAS-1800** (Automatic sampling type) (Manual sampling type)
 Serial No.: _____
 Date of manufacture: _____
 Guidance: The FOCAS-1800 has been developed according IECO Resolution
MEPO10 f (46). The Certificate guarantees period is 2 years. She will be
 checked accuracy test or replacement with a calibration procedure in every 2
 years.

Accuracy Test:			
Test situation	Result (Teleread)	Pass/Fail	Tuned by
Open	ppm	<input type="checkbox"/> Pass (Recommended sensor)	
Open	110 ± ppm	<input type="checkbox"/> Fail (Recommended sensor)	
		<input type="checkbox"/> Fail (Recommended sensor)	
Supply Voltage	V [0.000-3.000]		

Confirmed by: Signature _____
 (Pass/Fail for your concern): _____
 Date of Issue (Month): _____ (Valid for 2 years after issue.)
 Service engineer's Signature _____
 Company name: _____
 Page 1 of 1 Should be destroyed copy in 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-2000—

Replacement of detecting part (Sensor unit) separately sold can be accepted.

As the completion of every five years' calibration.

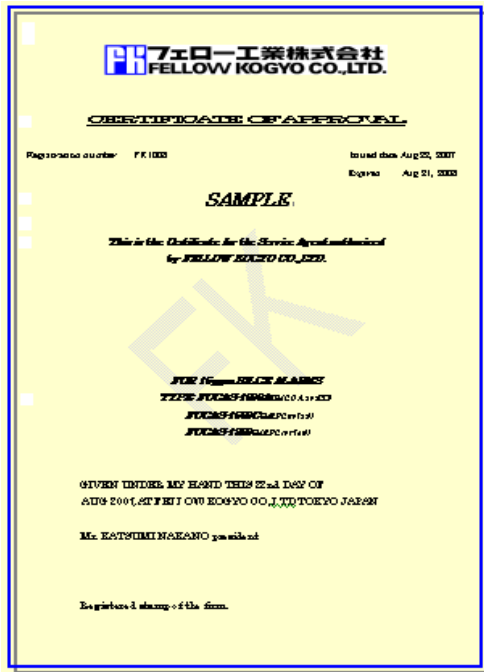
Please request the sensor unit (with precision certificate) to our office or our company's representative offices. We will send the sensor unit with replacement manual, **ship's crew can replace with new sensor unit.**

FOCAS-2000 sensor unit precision certificate



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.



This certificate becomes invalid if your belonging company changes.

Start using ID card from January 1, 2023



Accuracy check test performed by the authorized agent without the certificate or ID card is not valid.