EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000671
Revision no.:
1

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

that the **Oil-content meters**

with type designation(s)
GPS, EXS

issued to
Inov8 Systems Ltd
Belfast, **United Kingdom**

is found to comply with the Implementing Regulation **(EU) 2024/1975** for
Item no. **MED/2.3** (Row **1 of 1**)
according to the following requirements:
IMO Resolution MEPC.107(49), IMO MEPC.1/Circ. 643, MARPOL 73/78 Annex I, Reg. 14

(Manufacturers authorised representative)
Kimman Process Solutions B.V.
Ridderkerk., Florijnstraat 95 , 2988CL, Netherlands

Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-03-04**

Expiry date: **2030-03-03**

DNV local unit:
UK & Ireland CMC & VMC

Approval Engineer:
Anna Piotrowska

Notified Body
No.: **0098**

for **DNV SE**

Digitally Signed By:
Christine Mydlak-Röder

Christine Mydlak-Röder
Head of Notified Body

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

Product description

The oil content meters of types GPS and EXS detect hydrocarbons in water using laser radiation and fluorometer in combination with a proprietary flow cell and ultrasonic homogenization.

Application/Limitation

The GPS and EXS oil content meters are intended for installation on board the ships or other marine units for monitoring the bilge water separator effluent, to prevent discharge overboard of oily mixture when the oil content of the effluent exceeds 15 ppm.

The GPS and EXS are designed and tested to meet the requirements of the IMO Resolution MEPC.107(49).

Installation of oil content meters in spaces subject to explosion hazard:

- of type GPS is not permitted;
- of type EXS shall be according to EU Type Examination Certificate no. FM19ATEX0172X.

The arrangement on board the ship for the extraction of samples from the bilge water separator discharge line to the oil content meters shall give a truly representative sample of the effluent.

The final installation on board the ship to be installed with a no-flow sensor, into the inlet sample line to the oil content meters. The control system/wiring diagram is fitted with interface for an external sensor.

The oil content meter is not fitted with automatic stopping device but is arranged with an electrical outlet for automatic stopping device.

The following shall be verified during on board installation of the the 15 ppm oil content meter with the 15 ppm bilge water separator and automatic stopping device arrangement:

- The alarm in the 15 ppm oil content meter is always activated whenever clean water is used for cleaning or zeroing purposes.
- The alarm in the 15 ppm oil content meter is always activated whenever no flow of sample through the oil content meter is detected.
- Any alarm in the 15 ppm oil content meter will activate the automatic stopping device preventing overboard discharge and divert the effluent back to the bilge or bilge tank.
- The overall response time (including the response time of the 15 ppm oil content meter) between an effluent discharge from the bilge water separator exceeding 15 ppm, and the operation of the automatic stopping device preventing overboard discharge, shall be not more than 20 seconds.
- By-passing the 15 ppm oil content meter during normal operation shall by no means be possible.
- Every access of the oil content meter (beyond check on instrument drift, repeatability of the instrument reading, and the ability to re-zero the instrument) requires breaking of a seal.

Type Examination documentation

Please see Appendix: Type Examination Documentation