



EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00008UH

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 Portable Oxygen analysis and gas detection equipment: category 2: (explosive gas atmospheres)

with type designation(s)

T40 II, T40 Pro, T40 Neo, T40 II-X, T40 II-S; Ventis MX4

issued to

**Industrial Scientific China
Shanghai, China**

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2023/1667,

**item No. MED/3.30b. SOLAS 74, Regulation II-2/4, VI/3, XI-1/7, FSS Code 15 and MSC.1/Circ.1477, IMO
MSC.1/Circ.1581.**

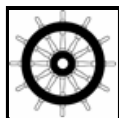
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2029-07-10**.

Issued at **Hamburg** on **2024-07-11**

DNV local unit:
Shanghai

Approval Engineer:
Dariusz Lesniewski



Notified Body
No.: **0098**

for **DNV SE**

Mydlak-Röder, Christine
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Portable Single Gas Monitor¹⁾

Model designation: T40 II (T40 Pro, T40 Neo, T40 II-X, T40 II-S)

Measured gases:

- O₂ (0-30) %Vol
- CO (0-2000) ppm²⁾
- H₂S (0-500) ppm²⁾

Display: Segment LCD

Detector technology: Electrochemical

Alarms: Visual (two red LEDs), audible, vibration

Power supply: Battery Pack: Replaceable ER14335 3.6 V Primary Lithium-thionyl chloride (Li-SOCl₂)
 battery cell, 1.65AH, 2/3AA

Degree of protection: IP66/67

Software version: 3.0

Ex-certification: ATEX, IECEx

Compass safe distance	Standard Compass	Steering Compass
	30 cm	20 cm

Portable Multi-gas Monitor¹⁾

Model designation: Ventis MX4

Model variants: Diffusion and Aspirated (with pump module)

Measured gasses:

- O₂ (0-30) %Vol
- Combustible LEL (0-100) % LEL
- Methane (CH₄) (0-5%) Vol
- CO/H₂ Low (0-1000) ppm²⁾
- CO (0-1000) ppm²⁾
- H₂S (0-500) ppm²⁾
- NO₂ (0-150) ppm²⁾
- SO₂ (0-150) ppm²⁾

Display: Backlit LCD

Detector technology: Electrochemical, catalytic combustion

Alarms: Visual, audible, vibration

Power supply:

- Lithium-ion battery pack, rechargeable
 (Ventis Single Unit Charger 230V AC (accessories))
- Alkaline cells (3 x AAA)

Degree of protection: IP 66/67

Software version: 4.30.03

Ex-certification: ATEX, IECEx

Compass safe distance	Standard Compass	Steering Compass
Detector	40 cm	30 cm
Charger	40 cm	35 cm

Application/Limitation

¹⁾Ex-protection according to the related Ex-proof certificates

²⁾Detection of toxic gases is not scope of this certification (not the MED item)

Type Examination documentation

Tests carried out

EN 50104:2019

EN IEC 60079-0:2018, incl. AC:2020

EN 60079-1:2014, incl. AC:2018-09

EN IEC 60079-10-1:2021*

EN 60079-11:2012

EN IEC 60079-15:2019*

EN 60079-26:2015

EN 60079-29-1:2016 inc. A1:2022 and A11:2022

EN 60945:2002 incl. IEC 60945 Corr. 1:2008

IEC 60945:2002 incl. IEC 60945 Corr. 1:2008



Job ID: **344.1-013184-1**
Certificate no.: **MEDB00008UH**

IEC 60092-504:2016
IEC 60533:2015
*not applicable

Marking of product

The products to be marked with:

- Manufacturer name
- Model name, model type
- Mark of conformity (wheel mark), followed by:
- Identification number of the NoBo / the year the mark is affixed (example: 0098/2024)