

TYPE EXAMINATION CERTIFICATE – EC MODULE B

Certificate no.:
MEDB0000940

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

that the Public Address and General Alarm Systems (PAGA):- Speakers

with type designation(s)

ML 16 A MED - 100 V, ML 16 AF MED – 100 V, ML 16 FL MED – 1 W, WL 10 MED – 1 W, WL 10 MED – 6 W, WL 10 MED – 100 V, DL 8 MED – 100 V

issued to

VISATON GmbH & Co. KG
Haan, Nordrhein-Westfalen, Germany

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

Regulation (EU) 2024/1975,

item No. MED/1.44b. SOLAS 1974 as amended, Regulation II-2/12,21,22, III/4, 6 & X/3, LSA Code VII, HSC Code 4,8, IMO MSC.1/Circ. 808, 1369/Add.1

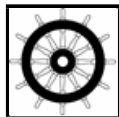
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2030-05-27**.

Issued at **Høvik** on **2025-05-28**

DNV local unit:
Essen

Approval Engineer:
Steinar Kristensen



Notified Body
No.: **0575**

for **DNV AS**

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 AS 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 USD 300 000.

Product description

The ML 16 A MED - 100 V, ML 16 AF MED – 100 V, ML 16 FL MED – 1 W, WL 10 MED – 1 W, WL 10 MED – 6 W, WL 10 MED – 100 V, DL 8 MED – 100 V are loudspeakers intended for sounding of Public Address or General Emergency Alarm.

Unit	Art. Nr.	Description	Max power (W)	Location
ML 16 A MED - 100 V	70550	16 cm (6.5") ceiling-mounted speaker, IP 22	2	Protected
ML 16 AF MED – 100 V	70555	16 cm (6.5") ceiling-mounted speaker, IP 22	4	Protected
ML 16 FL MED – 1 W	70560	16 cm (6.5") ceiling-mounted speaker, IP 22	1	Protected
WL 10 MED – 1 W	70701	Waterproof cabinet speaker, IP 66	6	Exposed
WL 10 MED – 6 W	70702	Waterproof cabinet speaker, IP 66	6	Exposed
WL 10 MED – 100 V	70703	Waterproof cabinet speaker, IP 66	6	Exposed
DL 8 MED – 100 V	70250	8 cm (3.3") ceiling-mounted speaker, IP 54	2	Protected

Application/Limitation

- The speakers are to be installed according to the instructions in the installation manuals and more than 5m away from magnetic compasses.

Type Examination documentation

DNV No	Document ID	Rev.	Description
8	70250-100V	1	Manual: Visaton, Installation manual for DL 8 MED
9	2024-0533-VU_DL 8 MED	2025-04-04	Report: AKUVIB Engineering and Testing, Environmental test report for DL 8 MED – 100V loudspeaker
26	70550 – 100 V	1	Manual: Visaton, Installation manual for ML 16 A MED
27	2024-0533-VU_ML 16 A MED	2025-04-04	Report: AKUVIB Engineering and Testing, Environmental test report for ML 16 A MED – 100V loudspeaker
32	70555 – 100 V	1	Manual: Visaton, Installation manual for ML 16 AF MED
33	2024-0533-VU_ML 16 AF MED	2025-04-04	Report: AKUVIB Engineering and Testing, Environmental test report for ML 16 AF MED – 100V loudspeaker
39	2024-0533-VU_ML 16 FL MED	2025-04-04	Report: AKUVIB Engineering and Testing, Environmental test report for ML 16 FL – 1W loudspeaker
41	70560 – 1 W	1	Manual: Visaton, Installation manual for ML 16 FL MED
48	2024-0533-VU_WL 10 MED 9010	2025-04-04	Report: AKUVIB Engineering and Testing, Environmental test report for WL 10 MED 9010 – 6W loudspeaker
53	70701 – 1W, 70702 – 6W, 70703 – 100V	1	Manual: Visaton, Installation manual for WL 10 MED

Tests carried out

- Environmental testing: IEC 60945 (2002) incl. Corr.1 (2008)
- Performance testing: EN 50695 (2021)

Marking of product

The type designation and name and contact address of the manufacturer shall be affixed visibly, legibly and indelibly to the product. In addition the product shall be marked with serial/batch number and safe distance to magnetic compass.