



Confirmation of Product Type Approval

Company Name: ZENITEL NORWAY AS

Address: BROMSVEIEN 17 HORTEN 3183 Norway

Product: Sound Reception System

Model(s): Phontech 8300 MkII and Phontech 8301 MkII

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	22-2290728-PDA	21-SEP-2022	20-SEP-2027
Manufacturing Assessment (MA)	24-6577694	29-AUG-2024	28-AUG-2029
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

For use on ABS Classed Vessels and Offshore Installations in accordance with the listed ABS Rules and International Standards.

Description

The Phontech Sound Reception System 8300 MkII is a navigation aid Sound Reception system required on ships with enclosed bridge.

The Phontech Sound Reception System 8300 MkII consists of one omnidirectional microphone/antenna unit (Phontech 8301 MkII) and a Phontech 8300 MkII display unit is installed in the bridge.

The system enables the navigational officer to receive and detect foghorn from other vessels and determine their direction.

Option: The bridge main panel interface designs can accommodate additional slave display units Phontech 8300 MkII.

Ratings

Phontech 8300 MkII Display Unit:

Operating Voltage: 21 - 32 VDC;

Panel Enclosure: IP 22;

Operating temperature range: -15 to 70 Deg.C;

Microphone/antenna Phontech 8301 MkII:

Audio: 70 to 2100 Hz;

Unit: IP56;

Operating temperature range: -60 to 55 Deg. C;

Service Restrictions

Unit Certification is not required for this product.

If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined. Where equipment is to be installed in a Hazardous Area it is to be certified accordingly.

Comments

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes, Drawings and Documentation

Drawings submitted under 22-2279587-PDA

Drawing No. E16052.01, Display Performance Test Report, Nemko Scandinavia AS, Norway, Date: 16.06.2022, Rev: -, Pages: 17.

Drawing No. E22112.02, Environmental, and Performance Test Report, Nemko Scandinavia AS, Norway, Date: 15.06.2022, Rev: -, Pages: 21.

Drawing No. E16004.01 Test Report, Nemko Scandinavia AS, Norway, Date: 21.02.2021, Rev: 02, Pages: 61

Drawing No. A100K12112, Vingtor Stentofon Test Report, Zenitel Norway AS, Norway, Date: 29.06.2021, Rev: 04, Pages: 14.

Drawing No. A100K12112, Vingtor Stentofon Test Report with DNV witness, Zenitel Norway AS, Norway, Date: 02.07.2021, Rev: 04, Pages: 14.

Drawing No. 800162, ISO Certificate, Pages: 1

Drawing No. ABS SR P-8300 MkII DoC, Declaration of conformity, Pages: 1

Drawing No. MEDD00001WF, DNV QS - Certificate of Assessment - EC (Module D), Page: 2

Drawing No. MEDB00005E7, DNV EC-Type Examination Certificate (Module B), Page: 2

Drawing No. 4000019415, Data Sheet - Zenitel P-8300 MkII Sound Reception Display Unit , Page: 4

Drawing No. 4000019416, Data Sheet - Zenitel-P-8301 MkII Microphone Unit, Page: 4

Drawing No. Authorisation Letter, Zenitel Norway AS acquisition of the Phontech operations from Jotron AS, Page: 1

Drawings submitted under 16-LD1523338-PDA

Drawing No. 19490, Phontech 8300;

Drawing No. 19490-DS-8300, Technical Data Sheet;

Drawing No. 19502-19490 - 8300 - label 54x101;

Drawing No. 19590, Phontech 8301 Mic Unit;

Drawing No. 19590-DS-8301, Technical Data Sheet;

Drawing No. 19598/P0, Phontech 8301 Graphics;

Drawing No. 295456 – 1 Test Report (07 March 2016);

Drawing No. 295456r01 Test Report (15 March 2016);

Drawing No. BOM X-19094, Parts List;

Drawing No. BOM X-19250, Parts List;

Drawing No. BOM X-89646, Parts List;

Drawing No. Declaration of Conformity, Declaration of Conformity;

Drawing No. E16004.01 Test Report (15 March 2016);

Drawing No. E16052.00 Test Report (11 March 2016);

Drawing No. MED-B-16111 EC Type Examination Certificate (File No: 295456 Annex A1 item No: A.1/4.58 – 16 March 2016);

Drawing No. Phontech 8300 MkII User Manual;

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 20/Sep/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

-Marine Vessels Rules (2022): 1-1-4/7.7, 1-1-A3, 1-1-A4; 4-1-1/7.15; 4-8-3/1.11, 4-9-9/3, 4-9-9 Table 1 and Table 2;

- Facilities on Offshore Installations (2022): 1-1-4/9.7, 1-1-A2, 1-1-A3;

- Mobile Offshore Units (2022): 1-1-4/9.7, 1-1-A3, 1-1-A4, 6-1-1/9, 6-1-1/13; 4-3-1/15;

- Steel Vessels for Service on Rivers and Intracoastal Waterways (2022): 1-1-4/7.7, 1-1-A3, 1-1-A4; 4-1-1/21, 4-5-1/17;

- High Speed Crafts (2022): 1-1-4/11.9, 1-1-A2, 1-1-A3; 4-1-1/37; 4-6-1/15, 4-7-9/3, 4-7-9 Table 9 and Table 10;

- Steel Barge Rules (2022): 1-1-4/7.9, 1-1-A3, 1-1-A4;

International Standards

IACS UR E10:Rev.8 Corr1: 2022

BS EN 60945 (2002) including IEC60945 Corr. 1 : 2008;

IEC 61162-450 Ed. 2.0 b:2018

IEC 62288 Ed. 3.0:2021

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in dark ink, appearing to read "Joseph W. Wilson".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 31-Oct-2024 5:49

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.