



CERTIFICATE NUMBER
16-LD1523338-PDA

DATE
18 Jul 2016

ABS TECHNICAL OFFICE
London Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of

JOTRON AS

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: **Sound Reception System**

Model: **Phontech 8300 MkII and Phontech 8301 MkII**


This Product Design Assessment (PDA) Certificate 16-LD1523338-PDA, dated 18/Jul/2016 remains valid until 17/Jul/2021 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING



Theodoros Chatzidakis
Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

TC

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Tier: 3 - Type Approved, unit certification not required

Product: Sound Reception System
Model: Phontech 8300 MkII and Phontech 8301 MkII
Intended Service:

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.

Rating:

Phontech 8300 MkII Display Unit:
Operating Voltage: 21 - 32 VDC;
Panel Enclosure: IP 22;
Operating temperature range: -15 to 55 Deg.C;

Microphone/antenna Phontech 8301 MkII:
Audio: 70 to 2100 Hz;
Unit: IP56;
Operating temperature range: -25 to 55 Deg. C;

Service Restriction:

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/Drawing/Documentation:

- 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);

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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;

Terms of Validity:

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STANDARDS

ABS Rules:

- Steel Vessels (2016): 1-1-4/7.7, 1-1-A3 & A4; 4-1-1/7.15; 4-8-3/1.11; 4-9-8/3, 4-9-8/7, 4-9-8/13.1, 4-9-8/Table 1, 4-9-8/Table 2

- Steel Vessels Under 90 Meters (295 Feet) in Length (2016): 1-1-4/7.7, 1-1-A3 & 1-1-A4; 4-1-1/37; 4-6-1/15, 4-7-2 Table 1; 4-7-4/3.3, 4-7-4/3.7, 4-7-4/3.9, 4-7-4/Table 1

- Offshore Support Vessels (2016): 1-1-4/7.7, 1-1-A3 & A4; 4-1-1/7.15; 4-8-3/1.11; 4-9-8/3, 4-9-8/7, 4-9-8/13.1, 4-9-8/Table 1, 4-9-8/Table 2

- Mobile Offshore Drilling Units (2016): 1-1-4/9.7, 1-1-A2&A3; 4-1-1/7.9; 4-3-1/15; 6-1-1/9, 6-1-1/13

- Facilities on Offshore Installations (2016): 1-1-4/9.7, 1-1-A2&A3

- Steel Vessels for Service on Rivers and Intracoastal Waterways (2016): 1-1-4/7.7, 1-1-A3&A4; 4-1-1/21; 4-5-1/17

- High Speed Crafts (2016): 1-1-4/11.9, 1-1-A2&A3; 4-1-1/37; 4-6-1/15; 4-7-9/3, 4-7-9/5, 4-7-9/15.1, 4-7-9/Table 9, 4-7-9/ Table 10

- Steel Barge Rules (2016): 1-1-4/7.7, 1-1-A3&A4

National:

NA

International:

IACS UR E10:REV.6 : 2014
BS EN 60945 (2002) including IEC60945 Corr. 1 : 2008;
BS EN 61162-450 Ed1.0 : 2011;
IEC 62288 Ed. 2.0 : 2014;
IMO Res. MSC 86(70) Annex 1 : 1998;
MSC. 191(79) : 2004;

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IMO Res. A694(17): 1991;
ISO 14859 : 2012;

Government:
NA

EUMED:
NA

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OTHERS:
NA