



## EC TYPE EXAMINATION CERTIFICATE

MED-B-16111

In compliance with Module B of Council Directive 96/98/EC of the European Parliament and as amended by the Council Directive 2014/93/EU of 25 July 2014, this certificate is issued to the manufacturer:

**Jotron AS**  
**Østbyveien 1, P.O.Box 54**  
**NO-3280 Tjodalyng, Norway**

And applies to the product

**Sound reception system**  
**Phontech 8300 MkII**

This certificate attest that provisions according to type examination requirements given in

SOLAS 74/2009 Reg. V/18  
SOLAS 74/2009 Reg. X/3  
IMO Res.MSC.36(63)-(1994 HSC Code)  
IMO Res.MSC.97(73)-(2000 HSC Code)  
SOLAS 74/2009 Reg. V/19  
IMO Res.A.694(17)  
IMO Res.MSC.86(70)  
IMO Res.MSC.191(79)

EN 60945 (2002) incl. IEC 60945 Corr. 1 (2008)  
EN 61162 series; EN 61162-450 Ed.1.0  
IEC 62288 Ed. 2.0 (2014-07)  
ISO 14859:2012

This certificate loses its validity if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to and agreed upon with Nemko. Software changes and updates: - See Product description in the Annex. Should the specified regulations or standards be amended during the validity of this certificate, the products are to be re-approved prior to them being placed on board vessels to which the amended regulations or standards apply.

The attached Schedule of Approval forms part of this certificate. The certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

This product also fulfils the requirements of directive 2015/559 MED of 11 April 2015, which will enter into force 30 April 2016.

Oslo, 2016-03-16

Date of expiry: 2021-03-16

Notified Body Id. no. 0470  
Nemko AS  
P.O. Box 73 Blindern  
NO-0314 Oslo, Norway

Roy Uggerud  
Nemko AS

**Annex I to EC Type-Examination Certificate, No. MED-B-16111**

**SCHEDULE OF APPROVAL**

**Product description**

Jotron Phontech 8300 MkII Sound Reception system, display unit (part no 19490)  
Jotron Phontech 8301 MkII Sound Reception system, microphone/antenna (part no 19590)

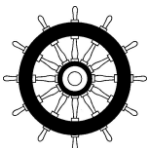
**Any limitations on the acceptance or use of the product or specific requirements**

None

**The approval documentation**

Jotron AS – User Manual, Phontech 8300 vApproval 4-3-16  
Jotron AS – Circuit Diagrams, Phonotech 8300 CPU board, 19094 -CD, rev. 1535  
Jotron AS – Circuit Diagrams, Phonotech 8300 Display board, 19250 -CD, dated 08.10.2015  
Jotron AS – Circuit Diagrams, Phonotech 8301 Microphone board, 19289 -CD, rev.1550  
Jotron AS – Technical construction drawings, Phonotech 8300, 19490, rev. P6  
Jotron AS – Technical construction drawings, Phonotech 8301, 19590, rev. P05  
Jotron AS – Part/Component list  
Jotron AS - Label Layout  
Nemko AS – Test report E16004.01 of 15 March 2016; EN 60945 (2002)  
Nemko AS – Test report 295456-1 of 07 March 2016; IEC 61162-450 Ed 1.0  
Nemko AS – Test report E16052.00 of 11 March 2016; IEC 62288 (2014) Ed.2.0  
Nemko AS – Test report 295456r01 of 15 March 2016; ISO 14859:2012

**Limitations/restrictions**



"The Mark of Conformity" (i.e. the Wheel mark) may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module D (Production Quality Assurance), E (Product Quality Assurance), or F (Product Verification), of Annex B of the Directive (MED) is fully complied with and controlled by a written inspection agreement with a notified body."

----- End of certificate -----