



Bundesrepublik Deutschland

Federal Republic of Germany

BSH-Cert

Benannte Stelle - Navigations und Funkausrüstung
beim Bundesamt für Seeschifffahrt und Hydrographie

Notified Body - Navigation and Radiocommunication Equipment
at the Federal Maritime and Hydrographic Agency



NOTIFIED
BODY
0735

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

BSH-Cert, specified as a "notified body" under the terms of „Schiffssicherheitsgesetz“ of 09 September 1998 (BGBl. I, p. 2860) modified last 08 April 2008 (BGBl. I, p. 706), did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Navigation requirements of Marine Equipment Directive (MED) 96/98/EC and the last modification by Directive 2009/26/EC.

Manufacturer **Furuno Electric Co., Ltd.**
Address **9-52 Ashihara-cho, Nishinomiya City, Hyogo. 662-8580, JAPAN**

Applicant **Furuno Deutschland GmbH**
Address **Siemensstraße 33, 25462 Rellingen, GERMANY**

Annex A.1 Item **4.7 Speed and distance measuring equipment (SDME)**
(No & item designation)

Product Name **DS-80**

Trade Name(s) **----**

Specified Standard(s)

IMO-Resolution A.694(17)	IEC 61023 Ed.3.0, 2007
IMO-Resolution A.824(19)	IEC 60945 Ed.4.0, 2002 as amended by Corr. 1, 2008
IMO-Resolution MSC.96(72)	IEC 61162-1 Ed.3.0, 2007
IMO-Resolution MSC.191(79)	IEC 62288 Ed.1.0, 2008

Based on the Directive 2008/67/EC, additional applied version: Directive 2009/26/EC
This certificate remains valid unless cancelled, expired or revoked.

Date of Re-issue: 29 March 2010

Issued by: BSH-Cert

Expiry date: 28 March 2015

Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany

Notified body 0735

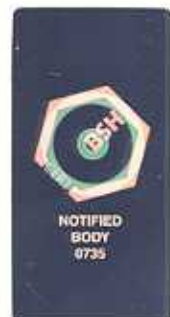
Certificate No.: **BSH/4612/4071587/10**

USCG-Module-B No.: **165.105/EC0735** Unique Identifier: **4071587**

This certificate consists of 2 pages.



Karl-Heinz Warnstedt
Karl-Heinz Warnstedt



Components necessary for operation:

Designation	Type designation
Display unit	DS-800
Distribution Box	DS-801
Transceiver unit	DS-810
Transducer unit	DS-820

Additional optional Components:

Designation	Type designation
Terminal Box	DS-802
Digital Display	DS-830
Remote Distance Indicator	DS-840
Dimmer Box	MF-22L
Junction Box	CI-630
Transducer Seachest	DS-850 or DS-781 or DS-782 or DS-783 or DS-784 or DS-786
Remote Display	RD-20
Remote Display	RD-50

Approval Documentation:

Operator's Manual Doppler Speed Log DS-80 PUB. No. OME-72470 May 28, 2002

Installation Manual Doppler Speed Log DS-80 PUB. No. IME-72470-D2

Places of production:

Limitations on the acceptance or use of the product:

Speed and distance measuring equipment for measuring speed through water

Notes:

The manufacturer shall inform BSH-Cert, as the notified body, of any modifications to the type-tested product(s) that may affect compliance with the requirements or conditions laid down for use of the product(s).

In case the specified regulations or standards are amended during the validity of this certificate, the product(s) must be re-certified before being placed on board vessels to which such amended regulations or standards apply.

The Mark of Conformity (wheelmark) may only be affixed to the type approved equipment, and a Manufacturer's Declaration of Conformity may only be issued, if the product quality system fully complies with the Marine Equipment Directive and is certified by a notified body against ANNEX B module D, E, or F of the Directive.

U.S. Coast Guard Approval

This product has been assigned a U.S. Coast Guard Module B number (165.xxx/EC0735/Unique Identifier[if other than EC 0735: /Number of the notified body which certifies the quality assurance system]) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Maritime Equipment" signed February 27th, 2004.

Notice on legal remedies available:

Objection to this document may be filed within one month after notification. The objection must be filed in writing to, or put on record at, Federal Maritime and Hydrographic Agency, Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany