

U.S. Department of
Homeland Security

United States
Coast Guard



Commandant
United States Coast Guard

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Washington, DC 20593-0001
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2009-2708
16714 / 46 CFR 165.105
April 29, 2009

Furuno USA
Attn: Mr. Shane Ryan
4400 NW Pacific Rim Blvd.
Camas, WA 98607

Dear Mr. Ryan:

We have reviewed your application requesting a renewal of your U.S. Coast Guard Certificate of Approval for the Furuno Doppler Speed Log DS-50. You have provided evidence that your product continues to meet the description on the certificate of approval and that your quality system has been audited and continues to meet the requirements in Navigation and Inspection Circular (NVIC) 08-01 CH. 2, enclosure (3). Your certificate has been renewed.

Furuno DS-50
165.105/3/1

Dated: April 29, 2009
Expires: February 11, 2014

Your certification remains valid until February 11, 2014, unless we suspend, withdraw, or terminate it. Only the manufacturer of this device may apply for this certification to be extended by writing to the Commandant (CG-5213) before it expires. If it is no longer produced and thus terminated, the device continues to be considered certified based on the date of manufacture, the vessel installation date, and a valid certification for that time period. You cannot transfer this certification to another manufacturer without written authorization from the Commandant (CG-5213). You must notify this office in writing when you make any change in the design or construction of the device or when you cease manufacturing the device.

Final shipboard acceptance of the Furuno DS-50 is based on the installation, materials, and workmanship being to the satisfaction of the cognizant Officer in Charge, Marine Inspection.

Sincerely,

A handwritten signature in blue ink, appearing to read "D. G. McClellan".

D. G. MCCLELLAN
Commander, U.S. Coast Guard
Chief, Systems Engineering Division
Office of Design and Engineering Standards
By direction

Encl: (1) U.S. Coast Guard Approval Certificate Number 165.105/3/1



U. S. Department of Homeland Security
United States Coast Guard
Certificate of Approval

Coast Guard Approval Number: 165.105/3/1

Expires: 11 February 2014

SPEED AND DISTANCE MEASURING EQUIPMENT (SDME)

FURUNO ELECTRIC
9-52 Ashihara Cho
662-8580
Nishinomiya City, Japan

Furuno DS-50 Speed and Distance Measuring Equipment (SDME).

Furuno DS-50 meets the requirements set forth in:

IMO Resolution A.694(17),
IMO Resolution A.824(17),
IMO Resolution MSC.36(63),
IMO Resolution MSC.96(72),
IEC 61023 July 1999,
IEC 60945 January 1997, and
IEC 61162 (applicable parts) July 2000.

Furuno DS-50 consists of the following equipment:

DS-500 Main Display	DS-501 Operation Panel
DS-510 Processor Unit	DS-511 Processor Unit
DS-520 Transceiver Unit	DS-330 Transducer
DS-530 Transducer	DS-351 Digital Indicator (option)
DS-382 Analog Indicator (option)	CI-630 Junction Box (option)
DS-360 Junction Box (option)	DS-730 Remote Distance Indicator (option)
DS-830 Digital Display (option)	DS-350 Digital Indicator (option)

Furuno DS-50 Speed and Distance Measuring Equipment.

*** END ***

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.



GIVEN UNDER MY HAND THIS 29th DAY OF
APRIL 2009, AT WASHINGTON D.C.

DAVID G. MCCLELLAN, CDR
CHIEF, SYSTEMS ENGINEERING DIVISION
BY DIRECTION OF THE COMMANDANT, U.S.C.G.

TERMS: The approval of the item described on the face of the Certificate has been based upon the submittal of satisfactory evidence that the item complies with the applicable provisions of the navigation and shipping laws and the applicable regulations in Title 33 and/or Title 46 of the Code of Federal Regulations. The approval is subject to any conditions noted on this Certificate and in the applicable laws and regulations governing the use of the item on vessels subject to Coast Guard inspection or on other vessels and boats.

Consideration will be given to an extension of this approval provided application is made 3 months prior to the expiration date of this Certificate.

The approval holder is responsible for making sure that the required inspections or tests of materials or devices covered by this approval are carried out during production as prescribed in the applicable regulations.

The approval of the item covered by this certificate is valid only so long as the item is manufactured in conformance with the details of the approved drawings, specifications, or other data referred to. No modification in the approved design, construction, or materials is to be adopted until the modification has been presented for consideration by the Commandant and confirmation received that the proposed alteration is acceptable.

NOTICE: Where a manufacturer of safety-at-sea equipment is offering for sale to the maritime industry, directly or indirectly, equipment represented to be approved, which fails to conform with either the design details or material specifications, or both, as approved by the Coast Guard, immediate action may be taken to invoke the various penalties and sanctions provided by law including prosecution under 46 U.S.C. 3318, which provides:

"A person that knowingly manufactures, sells, offers for sale, or possesses with intent to sell, any equipment subject to this part (*Part B. of Subtitle II of Title 46 U.S.C.*) and the equipment is so defective as to be insufficient to accomplish the purpose for which it is intended, shall be fined not more than \$10,000, imprisoned for not more than 5 years or both."