

EC Certificate

Type Examination (Module B)



This is to certify that:

Germanischer Lloyd, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

Certificate No. **18 823 - 11 HH**

Applicant **Weigel Meßgeräte GmbH**

Erlenstr. 14
90441 Nürnberg, GERMANY

Product Description **Propeller revolution indicator**

Product Name **LSSM 3**

Trade Name **LSSM 3**

Specified Standards **IEC 60945 (2002), ISO 22554 (2007), IEC 62288 Ed.1.0(2008)**
IMO Res. A.694(17), IMO Res. MSC.36(63) (1994 HSC code) , IMO Res. MSC.97(73)
(2000 HSC code), IMO Res. MSC.191(79).

Related Directive **2009/26/EC**

Equipment Section **Navigation equipment**

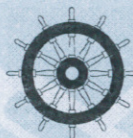
Annex A.1 Item No. **A.1/4.21**

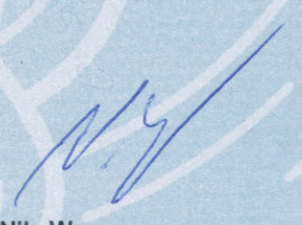
Date of Re-issue **2011-03-29**

Expiry Date **2016-02-24**

Germanischer Lloyd

Notified Body No.: 0098




Nils Wegener

Schedule of Approval

Approval Documentation

Testreport: ISO 22554 Weigel, LGA E5.214-21152593, 21146111-001, 2114612_001

Technical Data

The propeller revolution indicator system LSSM 3 consists of the following equipment:

Indicators:

LSSM 3-072 (72x72mm 1)), LSSM 3-096 (96x96mm 1)) and LSSM 3-144 (144x144mm 1))

LSSM 3-060 (ø60mm 2)), LSSM 3-080 (ø80mm 2)), LSSM 3-100 (ø100mm 2)) and LSSM 3-130 (ø130mm 2))

1) = frame size at square types 2) = case diameter at round types

Accuracy class: 0.5 acc. to IEC 60051-1;

Power supply: 18...36VDC

Degree of protection: IP66 / IP67 (front)

IP30 (terminal area)

IP66 / IP67 (terminal area with cover KA19-1G installed)

Remarks

None

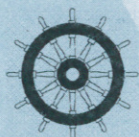
Limitations on the acceptance or use of the product

none

Notes:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform Germanischer Lloyd, as the Notified Body, of any modifications or changes to the approved equipment.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body.