中国船级社
CHINA CLASSIFICATION SOCIETY

/Certificate No.
HB21PTB00068

型式认可证书
CERTIFICATE OF TYPE APPROVAL

兹证明
This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

Aquametro Oil & Marine GmbH

地址/Address

Friedrich-Barnewitz-Str. 11, 18119 Rostock, Germany

产品名称/Product

轴功率仪
Shaft Power Meter

认可标准/Approval Standard

1. 2021 7 1 2
Chapter 1 and 2, Part Seven of China Classification Society Rules for Classification of Sea-going Steel Ships 2021 and its Amendments

用于/Intended for

/Ships and Offshore Installations

产品明细/Product Description

轴功率仪/Shaft Power Meter(M0001)

名称/Name	属性（值）/Value	单位/Unit
/Type	SPM system	
/Rated Voltage	24 V DC	
/System Component	SPM bracket, magnet belts, control cabinet	
/Degree of Protection	IP65	

批准的图纸/Approved Drawings

/ Drawings Approval No. : NP21PPP02573

证书有效期至/This Certificate is valid until **2026年02月06日/ Feb. 06,2026**

Issued by CCS Hamburg Branch Date 2022 02 07 Feb. 07,2022

This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.

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产品认可试验报告/ Approval Test Report

/ Test Report No. 421.093.1
/ Test Report Date 2021-11-29
/ Laboratory: CEcert GmbH
/ Test Address: Alter Holzhafen 19a, 23966 Wismar, Germany

/ Test Report No. 421.093.4
/ Test Report Date 2021-12-20
/ Laboratory: CEcert GmbH
/ Test Address: Alter Holzhafen 19a, 23966 Wismar, Germany

/ Test Report No. 421.093.5A
/ Test Report Date 2022-01-22
/ Laboratory: CEcert GmbH
/ Test Address: Alter Holzhafen 19a, 23966 Wismar, Germany

/ Test Report No. 13-05-VAA-045
/ Test Report Date 2013-05-17
/ Laboratory: Electronics testing center, taiwan product safety testing laboratory
/ Test Address: No.8 Lane 29, Wenming RD., Leshan Tsuen, Guishanshiang, Taoyuan county 33383, Taiwan province, China

认可后的产品检验方式/ Method of Product Inspection after Approval

/The product approved only in term of the rules

After approval, product inspection should be carried out by the Manufacturer in accordance with the product inspection scheme approved by the Society. Upon satisfactory inspection, and the Quality Certificate issued by the Manufacturer should be provided to the purchaser together with the copy of the approval certificate issued by the Society. The manufacturer should take responsibility for the product being in compliance with the convention, statutory regulation, the Society rules and the standard accepted by the Society.

认可保持条件/ Maintenance Requirements of Approval

1.

After type approval, if there are changes to the design, materials used or manufacturing method of the product and important components and such changes affect major characteristics and properties of the product, or property indexes of the product are changed and exceed the scope of approval, related drawings and documents are to be examined and approved by the concerned survey office. Where deemed necessary by the survey office, the surveyor to the Society will go to witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.

2.

The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3.

Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the approval, the manufacturer should take corrective actions in a prompt and effective manner.

4.

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

5. B /

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If belong to the situation of the product has type approval mode B certificate, and marine product certificate/equivalent document is not necessary, those who have obtained the certificate should be subject to periodical audit every year. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

备注/Remarks

The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

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CCS Hamburg Branch

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