Certificate No: LR25202578TA
Issue Date: 03/09/2025
Expiry Date: 02/09/2030

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**API Marine ApS**
Address	Troensevej 12, Aalborg, 9220, Denmark
Type	Monitoring System
Description	Tank Measurement System Electro-pneumatic system for measuring levels in ballast and service tanks, cargo density and vessel draught.
Trade Name	TSS/BMS4
Application	Marine, offshore and industrial use in categories ENV1 – controlled environment only - to producers specification as detailed in Lloyd's Register Test Specification No.1:2002 where the Test Specification is satisfactory for the intended operation: 15°C to 35 °C.
Specified Standard	Manufacturer's Specification IACS UR E10 (Rev.8 Feb 2021)
Ratings	Power supply: 24 VDC Output: 2x RS-485 (2-wire) with Modbus RTU protocol
Other Conditions	No vibration test according to Lloyd's Register Test Specification No.1:2002 Vibration Test 1 has been carried out.

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Ashwinikumar Mhamal

Electrical & Control Technical Manager - Africa, Middle East & India to Lloyd's Register Marine and Offshore India LLP

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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Type Approval Certificate

Type Approval does not eliminate the need (as required by LR Rules) the requirements for further review or for the product to be further inspected and/ or surveyed to be installed in ships classed or intended to be classed with LR.

If the specified standards are amended during the validity of this certificate, the product is to be reapproved prior to it being supplied to vessels to which the amended standards apply.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR21152543TA

The Design Appraisal Document TSO-25-039977-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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