Certificate No: LR26285152TA
Issue Date: 07/07/2026
Expiry Date: 10/09/2029

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	**Emerson Automation Solutions, Rosemount Tank Radar AB**
Address	Layoutvägen 1, Mölnlycke, 435 33, Sweden
Type	Recording And Indicating Instruments
Description	Rosemount Tank Radar System CMS Marine Tank Monitoring System for measuring of ullage level, temperature, vapour pressure, high level alarm and over-fill alarm
Trade Name	Rosemount CMS
Application	Marine Application
Specified Standard	IACS UR E27 (Rev.1)
Ratings	- Protect against casual or coincidental access by unauthenticated entities. - Protect against casual or coincidental misuse (excluding wireless use control). - Protect the integrity of the Computer Based Systems (CBS) against casual or coincidental manipulation. - Prevent the unauthorized disclosure of information via eavesdropping or casual exposure. - Monitor the operation of the CBS and respond to incidents.

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Pawan Borate

Specialist Electrical & Control to Lloyd's Register Marine and Offshore India LLP
A member of the Lloyd's Register group

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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- Ensure that the control system operates reliably under normal production conditions.

Other Conditions

This certificate is issued with the limitation that the directly connected networks are “trust networks” (according to the definition in IACS UR E26 (Rev.1)

This certificate is issued on the understanding that all connections are wired. Any radiocommunication (e.g. Bluetooth, WiFi etc.) are excluded.

If the applicable standards change or the system is modified, this document will no longer be valid. Changes in the system or processes must be reported to LR

This rating refers to the system described above. Regardless of the assessment of the security level achieved, an assessment in accordance with UR E26 (Rev.1) has to be carried out on a project-specific base and has to submitted to the project responsible Lloyd's Register plan approval office

The Rosemount Tank Radar System CMS is type approved (Certificate No. LR21160427TA-02) in accordance with the Lloyd's Register Test Specification No 1. Software Aspects are covered by the Software Quality Plan Emerson Document No. DOC-002735 (Revision 6)

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

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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: This certificate supersedes the certificate number TSO-24-011557-E-01 issued on 11.09.2024 which is hereby cancelled.

The Design Appraisal Document TSO-26-054629-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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