Certificate No: LR25110835TA
Issue Date: 29/06/2025
Expiry Date: 28/06/2030

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 **Hoppe Marine GmbH**

Address Kieler Str. 318, Hamburg, 22525, Germany

Type Recording And Indicating Instruments

Description Electronic measuring, control and indicating modules applicable for tank content and draught measurement, valve remote control and anti-heeling systems, performance monitoring, overflow safety, bunker safety and bunker management, ballast water management and water ingress detection systems.

TYPES
Pneumatic Tank Gauging Units HOBUB
F-07366-00005: 0-330 mbar, analog, left
F-07366-00006: 0-1000 mbar, left
F-07366-00007: 0-2000 mbar, analog, left
F-07366-00008: 0-4000 mbar, analog, left
F-07366-00009: 0-330 mbar, digital with 4-20 mA output, left
F-07366-00010: 0-1000 mbar, digital with 4-20 mA output, left
F-07366-00011: 0-2000 mbar, digital with 4-20 mA output, left
F-07366-00012: 0-4000 mbar, digital with 4-20 mA output, left
F-07366-10005: 0-330 mbar, analog, right
F-07366-10006: 0-1000 mbar, right
F-07366-10007: 0-2000 mbar, analog, right
F-07366-10008: 0-4000 mbar, analog, right
F-07366-10009: 0-330 mbar, digital with 4-20 mA output, right
F-07366-10010: 0-1000 mbar, digital with 4-20 mA output, right
F-07366-10011: 0-2000 mbar, digital with 4-20 mA output, right
F-07366-10012: 0-4000 mbar, digital with 4-20 mA output, right

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Thorsten Wolff
Electrical & Control - Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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F-07366-70001: supply unit & bus coupler
Bus Controller HOLOK: F-02536-05003
Analog Input Module HAI 6: F-02536-03007
Digital Output Module HDO 12: F-02536-02004
Digital Input Module HDI 12: F-02536-01003
Connection box HOBUS; V; DA & SA: F-05784-00000, F-05784-10000
Connection Module I/O HOBUS; Ring Supply Unit (RSU): F-06458-00000
Connection box KO; V: F-05784-30000
Hydraulic Power Pack HOPOP Y; HR-080: F-03404-50003
Solenoid Valve Cartridge; Hydraulic;2/2 Way; 230 VAC; 18 W: F-03407-00001

Trade Name	HOBUB, HOLOK, HAI, HDO, HDI, HOBUS, V, DA, KO, HOPOP
Application	Marine applications for use in environmental categories ENV1, ENV2, ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2013.
Specified Standard	Manufacturer's specification IACS unified requirements E10 (Rev.9 Aug 2023)
Additional Tests	Low temperature (0°C/16hrs)
Other Conditions	Installation and arrangement of the systems are to be in compliance with relevant LR Rules if applicable and are subject of the Plan Approval Process. The complete system remains to be finally examined and tested when installed on board under working conditions to the local Surveyor's satisfaction.

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Type Approval Certificate

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 EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2004391TA-02

The Design Appraisal Document TSO-25-038335/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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