Certificate No: LR2569365TA
Issue Date: 08/09/2025
Expiry Date: 09/09/2030

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	**Norsk Analyse AS**
Address	Wirgenesvei 10, Barkaaker, 3157, Norway
Type	Gas analyser units
Description	The Multiplexer consists of a 1) Hot box which is a sample handling unit • Solenoids. Used for calibration and stream switching. • Electrical junction box, JB1 Control unit with PLC and fuses. 2) Heat trace junction box JB2. Electrical connection points for heated sample lines (HSL).
Trade Name	Sample Stream Multiplexer
Application	Marine, Offshore and Industrial applications for use in environmental categories ENV2, as defined in Lloyd's Register Type Approval System, Test Specification Number 1, July 2024.
Specified Standard	LR Test Specification Number 1, July 2024, IACS E10, Rev. 9
Ratings	Supply Voltage:230 VAC, 50-60 Hz, IP44, Software version: v0.9x
Other Conditions	1. 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

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

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

The Design Appraisal Document TSO-25-031929-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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