



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	Thermo-Electra B.V.
Address	Weteringweg 10, Pijnacker, 2641 KM, Netherlands
Type	Temperature Sensor
Description	Thermo Couple and Platinum Resistance Temperature Sensors, Type: Thermocouple Assemblies: LV1000 range Resistance Thermometers: LV2000 range, LV2003 V2 TEK-100-4L (4 wire Pt100) DWR series DWK series
Trade Name	Thermo Couple and Platinum Resistance Temperature Sensors
Application	Marine and Offshore application for use in environmental categories ENV1, ENV2, ENV3, Test Specification Number 1, July 2024
Specified Standard	IEC 60751:2022, IEC 60584-1:2013
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.

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

Pawan Borate

Specialist Electrical & Control to Lloyd's
Register Marine and Offshore India LLP
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 re-approved 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: LR21242719TA

The Design Appraisal Document TSO/26-056274-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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