Certificate No: LR25399965TA
Issue Date: 12/10/2025
Expiry Date: 11/10/2030

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	**TERRANOVA SRL**
Address	VIA ANTONIO GRAMSCI 1, TERRANOVA DEI PASSERINI, 26827, Italy
Type	Level Gauges
Description	Self-powered Level Gauge - Static pressure type
Trade Name	SPG Self Powered Gauges
Application	Marine & Offshore tanks containing water or fluids having a flash point above 60°C.
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships, 2025. EN 837-3
Ratings	Indicator Nominal Diameter: DN 100 & DN 150 Fluid Process Temperature (°C): -20° to 130° Capillary Length: Up to 30 m Error introduced by diaphragm seal and capillary (25°C): ±1.5% Overall system accuracy (0 - 60°C): ±2 % Ingress protection degree: Sensor; IP68 @ 30 mH2O & Indicator; IP65
Additional Tests	Flange, connection & all wetted parts: AISI 316 Sheath: AISI 304 Capillary: Copper or AISI 304

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Prathamesh Pawshe

Engineering Piping - Specialist to Lloyd's Register Marine and Offshore India LLP
A member of the Lloyd's Register group

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Special materials as Titanium or HC276 can be consider accordance with the Lloyd's Register Rules for the Manufacture, Testing and Certification of Materials.

Other Conditions

1. Level gauges are to be selected and installed in accordance with the manufacturer's recommendations and Lloyd's Register's Rules and Regulations for the Classification of Ships, Part 5, Chapter 13, Section 12.
2. When the level gauge is to be installed on tanks containing flammable liquids, then suitable isolating valves with non-resilient seats or of fire-safe type are to be fitted between the gauge and the tank.
3. In passenger ships gauges penetrating below the tank top is not permitted for fuel oil tanks, lubricating oil tanks and other tanks which may contain flammable liquids.
4. The level gauges are to be marked with the following information:

- Manufacturer's name or trademark.
- Designation type
- Pressure rating
- Temperature range
- Size

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: LR2031742TA

The Design Appraisal Document LR25399965TA_DAD and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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