



Certificate No. 03-002167/031871

TYPE APPROVAL CERTIFICATE

This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

TEMPERATURE SENSORS

Type IM-TS

MANUFACTURER:

INELTEH d.o.o.

Ljubljanska cesta 7
51000 Rijeka
CROATIA

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

CRS RULES FOR THE CLASSIFICATION OF SHIPS

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

APPROVAL IS VALID UNTIL: 2029-09-24

Place and date: Split, 2025-09-25

Seal _____

Marinko Popović, dipl.ing.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

DETAILED PRODUCT DESCRIPTION:

Temperature sensors type IM-TS are based on thin film technology. They meet very specific demands in marine, industry and other fields of application where accurate and reliable temperature measurement are requested.

General Technical Specification:

- Type: IM-TS-01, IM-TS-02, IM-TS-03 and IM-TS-04
- Temperature Range from -50°C up to 300°C following class A or B, up to 650°C on request
- Protection tubes AISI 316L
- Connection head in aluminum, stainless steel AISI 316, stainless steel with protection hose connection.
- Protection IP55 to IP68
- Pt100 single or double (Pt 500 & Pt1000 available on request)

APPLICATION / LIMITATIONS:

CRS Rules for the classification of ships.

TYPE APPROVAL DOCUMENTATION:

Documentation:

- Temperature Sensor type IM-TS, No. IM-TS, rev.1 dated 25.07.2023
- Statement for vibration no.1, dated 04.08.2023

Test Reports:

- Test Report No. TR018-2022, dated 20.06.2022
- Test Report No. 51-27621, dated 27.12.2021
- Test Report No. 21584VIB17018, dated 29.12.2017
- Test Report No. 18 TR 0022, dated 11.04.2018
- Test Report No. 21525IP23018, dated 12.06.2023
- Test Report No. 21525IP23019, dated 12.06.2023
- Test Report No. PQC-C-10-23e/2, dated 11.04.2018

MARKING OF PRODUCT:

The Manufacturer, type designation of the product and serial number.

CONDITIONS FOR CERTIFICATION:

The manufacturer should notify CRS of any modifications or changes to the product to ensure the validity of the Certificate.