Certificate No: LR22230526TA
Issue Date: 01/07/2022
Expiry Date: 30/06/2027

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	**ANALYSIS LTD**
Address	Delta Velestino, Magnesia, 375 00, Greece
Place of Production	ANALYSIS LTD Delta Velestino, Magnesia, 375 00, Greece
Type	Transmitters/Transducers
Trade Name	Pressure Transmitters: P1, PTEX1
Type	Temperature Sensors
Trade Name	Temperature Sensors: ABLH, BM158, ET60, MIHT, MTB50, MTB51, MTB52, PRTH, PRTL, PTMA, ET519, NM54, TSC, APA, M61
Application	Marine, offshore and industrial applications in environmental categories ENV2, ENV3 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1-2019.
Specified Standard	Manufacturer's specification
Additional Tests	IACS Unified Requirement E10 Test Specification for Type Approval Rev.7

Stamatis Agelopoulos

Technical Support Office Team Leader,
Electrical to Hellenic Lloyd's SA
A member of the Lloyd's Register group

348 Syggrou Avenue, 176 74, Kalithea, Athens,
Greece

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Enclosure test in accordance with IEC 60529:
Pressure Transmitters P1 and PTEX1 (connector version) IPX6 Protection
Pressure Transmitter PTEX1 (cable version): IPX8 up to 3bar pressure

Other Conditions

Documentation for the actual application is to be submitted by the manufacturer of the application system in each case.

The cable installation has to be carried out according to the Rules for classification for ships with respect to routing, fixing, protection, penetration of the decks/ bulkheads and the use of cables pipes.

Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to class requirements and Ex-Certification/ Special Condition for Safe Use listed in valid Ex-certificate issued by a notified/ recognized Certification Body.

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 Hellenic Lloyd's SA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 17/00042

The Design Appraisal Document LR22230526TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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