

LLOYD'S REGISTER TYPE APPROVAL – DESIGN APPRAISAL DOCUMENT

ISSUED BY: GLOBAL TECHNICAL SUPPORT OFFICE

ISSUED TO: VAF Instruments B.V.

FOR: Optical Torque Measurement Instrument

TYPE: T-Sense & TT-Sense

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval Schemes Procedure V6(01/04/2025) and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Unnumbered	Application Checklist	
457793	Request for Marine Services – Type Approval	13.02.2025
LR2019845TA	Previous Type Approval Certificate	12.06.2020
203170	Previous Type Approval DAD	12.06.2020
PRJ11100474176-2	Production Quality Assessment	27.03.2025
Unnumbered	T-Sense 660 Product Bulletin	27.03.2025
Unnumbered	TT-Sense 663 Product Bulletin	27.03.2025
TIB-661-GB-0125	TIB-661 T-Sense Technical Manual	27.03.2025
TIB-674-GB-0125	TIB-664 TT-Sense Technical Manual	27.03.2025
TIB-662-GB-0725	TIB-662 T-Sense Technical Manual	17.09.2025
272892-2018-AQ-NLD-RvA	ISO 9001:2015	02.11.2023

TEST REPORTS

20240160RPT01	Partial Test Report Electromagnetic Compatibility TT-Sense	16.05.2024
2300737.0501-EMC	Test Report (Partial) EMC – T-Sense	01.07.2025
2300737.0501-EMC	Partial Test Report Electromagnetic Compatibility T-Sense	25.04.2025
18C00990RPT02	Electromagnetic Compatibility Test Report TT-Sense	08.04.2019
Unnumbered	IP44 T-Sense High Speed	18.07.2025
M25.001-P25.001	Maritime Vibration Test on T-Sense	18.07.2025
M25.002-P25.001	Climate Tests on T-Sense	15.07.2025

Hrishikesh P R
01/10/2025

Maritime Operations
Global Technical Support Office
Electrical & Control Systems Discipline

Lloyd's Register Marine and Offshore India LLP

LR032.2022



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Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. Lloyd's Register Marine and Offshore India LLP reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.