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Certificate No: LR23405313TA
Issue Date: 11/12/2023
Expiry Date: 15/10/2028
Reference: HPC1662157-23/MK

LLOYD'S REGISTER TYPE APPROVAL – DESIGN APPRAISAL DOCUMENT

Issued by: HAMBURG TECHNICAL SUPPORT OFFICE
Issued to: KONGSBERG MARITIME AS
For: CARGO MONITORING SYSTEM, TYPE: K-GAUGE

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 Version 04 (September 2020) and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Unnumbered	Type Approval Application Checklist	17.10.2023
393841	Request for Marine Services – Type Approval	25.10.2023
HTS/ETS-38798-19	Design Appraisal Document of previous certificate no. 18/20065 (E1)	18.09.2019
18/20065 (E1)	Previous LR Type Approval Certificate for Cargo Monitoring and Control System K-GAUGE	18.09.2019
LR2372712TA	LR Type Approval Certificate for K-Chief / K-Chief 700	08.03.2023
LR21457899TA	LR Type Approval Certificate for K-Chief 500 & 600	20.07.2022
LR2002080TA-02	LR Type Approval Certificate for gauging system GL-300	11.12.2023
LR22242390TA-01	LR Type Approval Certificate for level sensor GL-7B	10.08.2022
LR23144839TA	LR Type Approval Certificate for transmitter GT300/301/402/403/404/406	26.10.2023
PRJ11100416436-2	Production quality assessment (PQA) report of Kongsberg Maritime (Ranheim)	21.06.2023
C561587	Certificate ISO 9001:2015 of Kongsberg Maritime AS	31.05.2023
Unnumbered	Word-file "Documents and Drawings 23.11.2023.docx"	23.11.2023
Unnumbered	Word-file "Product description 23.11.2023.docx"	23.11.2023
Unnumbered	Excel-file "List of components K-Gauge.xls"	23.11.2023
386311 Rev. P	SW revision history for K-Gauge	14.08.2023



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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 EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.

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