



NIPPON KAIJI KYOKAI

STATEMENT
for
Exhaust Gas Monitoring System

No.: KB22MP0013

Manufacturer: **Green Instruments A/S**
Product description: **Exhaust gas monitoring system**
Model: **G7000**

THIS IS TO STATE that the above product has been found to comply with the applicable requirements for SO₂ and CO₂ analyzer specified in Chapter 6 of Resolution MEPC.259(68) “2015 Guidelines for exhaust gas cleaning systems” and Chapter 6 of Resolution MEPC.340(77) “2021 Guidelines for exhaust gas cleaning systems” upon reviewing the submitted documents.

See attachment for conditions / information.

Issued at Tokyo on 1 September 2022

S. Oishi
General Manager of Machinery Department
NIPPON KAIJI KYOKAI

Note: NK Type Approval was also granted for the model “G7000 Multigas Monitoring System” separately.

This Report is issued subject to the condition that it is understood and agreed that neither the Society nor any of its Committees is under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by this Society or its Surveyors or in any entry in the Record or other publication of the Society or for any error of judgment, default or negligence of its Officers, Surveyors or Agents.

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Attached sheet to the statement No. KB22MP0013

Product descriptions:

	Main components
Analyzer cabinet	SO ₂ / CO ₂ analyzer module (Type: ABB Uras 26)
	Gas cooler (Type: ECP 1000)
	Gas filter
	Gas pump
	Condensate pump
Sampling line	Heated multigas probe
	Heated hose

Measurement ranges:

Component	Measuring Principle	Measurement range
SO ₂	NDIR	0 - 200 ppm
CO ₂	NDIR	0 - 10 vol.-%

Examined documents:

- G7000 MULTIGAS MONITORING SYSTEM INSTALLATION MANUAL (Part No. 03134)
- G7000 MULTIGAS MONITORING SYSTEM OPERATION MANUAL (Part No.03135)
- PRODUCT TYPE APPROVAL - BRIEF DESCRIPTION
- Catalogue of Peltier-Gas Cooler Series ECP
- System Drawings (Drawing No. 05285(Rev.F), 05292(Rev.D), 05380(Rev.B), 05577(Rev.B), 05907(Rev.B), 05910, and 05980(Rev.B))
- System Electrical Drawing (Drawing No. 03069_ED_D)
- Report on the testing of the Uras26 infrared photo meter for use in the measurement of exhaust emissions from marine diesel engines in accordance with MEPC.184(59) (Cert. No.30652-15 HH)
- Performance Test Plan G7000 – Multigas Monitoring System dated 6 September 2017
- G7000 MULTIGAS MONITORING SYSTEM – PREFORMANCE TEST PLAN, VERSION 3 dated 31 October 2018
- Additional performance test plan G7000 Multigas Monitoring System dated 20 May 2019
- Additional performance test plan G7000 Multigas Monitoring System dated 11 December 2017

Remarks:

- In order to completely fulfill the requirements for SO₂ and CO₂ monitoring, additional equipment (e.g. data recording device, etc.) are to be installed.
- In order to comply with the requirement specified in Section 6.7 of Resolution MEPC.259(68) “2015 GUIDELINES FOR EXHAUST GAS CLEANING SYSTEMS” and Resolution MEPC.340(77) “2021 GUIDELINES FOR EXHAUST GAS CLEANING SYSTEMS”, the “G7000” should be operated under the condition that dew point temperature of sample gas is 80 degree Celsius or less.
- The “G7000” should be installed, calibrated and operated in accordance with the manufacturer’s instruction.
- The “G7000” should be operated and calibrated in accordance with the requirements specified in NOx Technical Code 2008 and/or Resolution MEPC.259(68) “2015 GUIDELINES FOR EXHAUST GAS CLEANING SYSTEMS” and Resolution MEPC.340(77) “2021 GUIDELINES FOR EXHAUST GAS CLEANING SYSTEMS”, if required.
- In cases where the “G7000” is fitted to SOx scrubber system installed on ships which are classed or to be classed with the Society, confirmation of compliance with the requirements applied at the time of certification is required in each system. In each project, this statement and declaration of validity of this statement are to be submitted. If any modification is made to the product and the relevant documents, detail of the modification is to be submitted.

- The End -