



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE FOR AUTOMATIC DEVICES AND EQUIPMENT

Certificate No. TA22225M

This is to certify that the undernoted product(s) has/have been approved in accordance with the requirements specified in Chapter 1, Part 7 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use” and the relevant Society's Rules.

This certificate is issued to

Manufacturer:	Green Instruments A/S
Place of Manufacturing:	Erhvervsparken 29, 9700 Broenderslev, Denmark
Product description:	Water Monitoring System
Model:	G6200 Water Monitoring System
Approval No.:	22A016
Valid until:	10 April 2027

This certificate is subject to the conditions specified in the attached sheet(s).

Issued at Tokyo on 11 April 2022.



S. Oishi
General Manager
Machinery Department

Note: The manufacturer, if desired, is requested to apply to the Society for renewal prior to the expiration date.

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Attached sheet -1/2 to the Certificate No. TA22225M

Specification & documents:

1. Particulars: Power supply: 400 - 440 VAC (50 – 60 Hz)

2. Components and reference drawings:

G6200 Water Monitoring System

- Component Layout Dwg. No. 11247 (2021-09-14)
- Installation Layout Dwg. No. 11246 Rev. A (2021-09-14)

Sensor Modules

Component of sensors (G6111 PAH, G6130 pH and Temperature, G6120, G6121 Turbidity) have been approved on 18A002.

3. Documentation and Test Reports:

- P&ID Dwg. No. 11182 Rev. A (2021-08-23)
- Electrical Documentation Dwg. No. 11076 (2021-12-09)
- G6200 Water Monitoring System Operation Manual No. 103864 Ver.1.0-August 2021
- EKTOS Type approval test Report No. P21-0087-1 (2021-09-21) for System 6200
- EKTOS Flame retardant test Report No. P21-0087-3 (2021-10-21) for System 6200

- To be continued -

Test items & approval conditions:

1. Test items:

(Applied testing items are marked with X.)

ENVIRONMENTAL TESTS (IACS UR E10 Rev.8 basis)		Mark
External examination		X
Operation test and performance test		X
Electric power supply failure test		X
Power supply fluctuation test	Electric	X
	Pneumatic and Hydraulic	--
Insulation resistance test		X
High voltage test		X
Pressure test (Pneumatic and Hydraulic)		--
Dry heat test (Temperature 55°C × 16 hours)		X
Damp heat test		X
Vibration test (Acceleration ±0.7g)		X
Inclination test		--
Cold test (Temperature 5°C × 2 hours)		X
Salt mist test		--
Electrostatic discharge immunity test		X
Radiated radio frequency immunity test		X
Conducted low frequency immunity test		X
Conducted high frequency immunity test		X
Burst / Fast transient immunity test		X
Surge immunity test		X
Radiated emission test		X
Conducted emission test		X
Flame retardant test		X

2. Approved condition:

The product is not allowed to be installed in the bridge and on open decks.

- The End -