



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE FOR HIGH LEVEL ALARM

Certificate No. TA23415M

This is to certify that the undernoted product(s) has/have been approved in accordance with the requirements specified in the Chapter 7, Part 6 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:	INELTEH d.o.o.
Place of Manufacturing:	Ljubljanska Cesta 7, HR-51000 Rijeka, Croatia
Product description:	High and overflow alarm system
Model:	ITHLA
Approval No.:	18LG002
Valid until:	13 May 2028

The details are described in the attached sheet(s).

Issued at Tokyo on 14 September 2023.

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.

Specification & documents:

1. Ratings: Power supply: 24VDC
Intrinsically Safe Type: [EEx ia] IIC / IIB / IIA

2. Components and reference drawings:

Component	Type	Drawings
Magnetic level switch	ITHLA-1	HIGH LEVEL AND OVERFILL ALARM SYSTEM type ITHLA
	ITHLA-2	
Monitoring Unit	ITDAC-14B Alarm Unit	

3. Documentation and Test Reports:

TYPE APPROVAL TESTING IdentifyTR1-ITHLA-2 (Completed: 15 February 1999)

SIQ Test report No. T221-049/98 (Dated: 9 February 1999)

Test report No. CT-Cold-1403-001

Test report No. CT-Heat-1403-001/A

Test report No. ST-PowerSupply-1406-001

KONCAR No. 21584VIB17003 (Issued: 8 February 2017)

KONCAR No. 51-09714 (Issued: 2 July 2014)

KONCAR No. 21580181102 (Issued: 18 November 2002)

Test report No. ST-High voltage-1710-001 (Dated: 28 February 2018)

Test report No. CT-Humidity-1710-001 (Dated: 26 February 2018)

Test report No. IT-Inclination-1710-001 for ITHLA-1 (Dated: 28 February 2018)

Test report No. IT-Inclination-1710-001 for ITDAC-14B (Dated: 28 February 2018)

Test report No. IT-Rubbing-1710-001 (Dated: 28 February 2018)

Test report No. IT-Drop-1710-001 (Dated: 28 February 2018)

Test report No. 21583EMC21034 (Dated: 30.6.2021)

Statement of compliance with IACS UR E10 Rev.8 (Dated: 05/09/2023)

- To be continued -

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Attached sheet -2/2 to the Certificate No. TA23415M

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)		X
Dry heat test (Temperature 70°C × 16 hours)		X
Damp heat test		X
Vibration test (Acceleration ±0.7g × 1.5 hours)		X
Inclination test		X
Cold test (Temperature -25°C × 17 hours for ITHLA-1/2, -40°C × 6 hours for ITDAC-14B)		X
Salt mist test		X
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
Mechanical test for float		X
Flame retardant test		--

2. Approval condition:

- 1). The following tests on the individual product are to be carried out at the manufacturing plant.
 - (a) Visual Inspection
 - (b) Performance Test
 - (c) Insulation resistance and high voltage test
 - (d) Pressure Test
- 2). Compatibility of construction material with individual cargos is to be checked on each vessel.

- The End -