



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE FOR AUTOMATIC DEVICES AND EQUIPMENT

Certificate No. TA19581M

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: **KEI SYSTEM Co., Ltd.**
Place of Manufacturing: **1-1-5 Ikuno-nishi, Ikuno-ku Osaka, Japan**
Product description: **TRACKBALL AND KEYBOARD**
Model: **TRACKEY-032/01**

Approval No.: **09A026**
Valid until: **5 October 2024**

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

Issued at Tokyo on 6 October 2019.



T. Shimada
General Manager
Machinery Department

- Note: (1) This certificate has been issued due to change of manufacturer's name and renewal.
(2) 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. TA19581M

Specification & documents:

1. Particulars: Power supply: $+5V \pm 20\%$ (USB BUS)

2. Components and reference drawings:

Type of Model : TRACKEY-032/01 (flush type)

TRACKEY-032/01 (desk type)

Drawings : TRACKEY-032/01-101 (for flush type)

TRACKEY-032/01-102 (for desk type)

NK-TRACKEY-501

NK-TRACKEY-502

NK-TRACKEY-503

3. Documentation and Test Reports:

Test report for environmental test (DRAW No. NK-TRACKEY-505)

Flame retardant material declaration

- To be continued -

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Attached sheet -2/2 to the Certificate No. TA19581M

Test items & approval conditions:

1. Test items:

(Applied testing items are marked with X.)

ENVIRONMENTAL TESTS		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		--
High voltage test		--
Pressure test (Pneumatic and Hydraulic)		--
Dry heat test (Temperature 70°C × 16 hours)		X
Damp heat test		X
Vibration test (Acceleration ±0.7g)		X
Inclination test		X
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		--

2. Approval condition:

The product is not allowed to be installed on open decks.

- The End -