Certificate No: LR23126393TA
Issue Date: 21/08/2022
Expiry Date: 20/08/2027

# Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

| | |
|---|---|
| **Manufacturer** | **Sea Structure Technology Co., Ltd.** |
| **Address** | 8-328, ITCC, Daehwa-ro, Daedeock-gu, Daejeon, 34368, Republic of Korea |
| **Type** | Monitoring System |
| **Description** | Long Base Strain Gauge of Hull Stress Monitoring System |
| **Trade Name** | Long Base Strain Gauge SST-HSMS100A |
| **Application** | Marine and offshore applications for use in environmental categories ENV3 & ENV5 on the "Bridge and Deck Zone" as defined in LR Type Approval System Test Specification No. 1-2021 where the Test Specification is satisfactory for the intended operation. |
| **Specified Standard** | Manufacture's Specification No. SST-LBSG-003 |
| **Ratings** | Power Supply Vcc: 13.5V to 40V<br>Quiescent Current: 4.5mA<br>Electrical Stroke: 20Mm(F.S)<br>Mechanical Stroke: 22mm(F.S)<br>Enclosure: IP56 |

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A member of the Lloyd's Register group

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**Other Conditions**

1. Type approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.
2. If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
3. (In case of applications other than marine) The application of the type approval certificate will be limited to the relevant scope of the specified standard and acceptance thereof by the local authorities.
4. Radiated Electromagnetic Field immunity test and Conducted Radio Frequency Immunity test passed provided with the countermeasures. So they are to be provided for each installation on vessels.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Asia of any modification or changes to the equipment in order to obtain a valid Certificate.

**Previous Version:** 17/40056(E1)

The Design Appraisal Document LR23126393TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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