



CERTIFICATE NUMBER
EFFECTIVE DATE
EXPIRY DATE
ABS TECHNICAL OFFICE

25-0094792-PDA
28-Jan-2025
27-Jan-2030
London Engineering Department

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

KONGSBERG MARITIME AS, TRONDHEIM

located at

**SKONNERTVEGEN 1, 7053 RANHEIM, P.O. BOX 2434 ,
TRONDHEIM, Norway, 7005**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: Temperature Transmitter
Model: GN-11 Temperature Transmitter
Endorsements:
Tier: 3 - Type Approved, unit certification not required

This Product Design Assessment (PDA) Certificate remains valid until 27/Jan/2030 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

SBarua

Siddharth Barua,Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

KONGSBERG MARITIME AS, TRONDHEIM

SKONNERTVEGEN 1

7053 RANHEIM

P.O. BOX 2434

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Web: www.kongsberg.com

Tier: 3 - Type Approved, unit certification not required

Product: Temperature Transmitter
Model: GN-11 Temperature Transmitter
Endorsements:

Intended Service:

Use on ABS Classed Vessels and Offshore Facilities in accordance with the listed ABS Rules and International Standards.

Description:

Single channel transmitter which can handle signals from Pt100 and Pt1000 as well as K-Type and J-Type thermocouples. Equipped with an internal compensator for varying ambient temperature.

Rating:

Power Supply: 24VDC (12-35V)

Output Signal: 4-20mA

Ambient Temperature: -40C – 25C

IP Rating: IP00

Service Restriction:

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Comments:

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:

Drawing No. , PDA issued GN-11 renewal, Revision: , Pages:

Drawing No. , P-GN11_CE rev. G, Revision: , Pages:

Drawing No. , Declaration of Conformity for Renewal 2024 signed, Revision: , Pages:

Drawing No. , Product design assessment GN-11 renewal, Revision: , Pages:

Drawing No. , KMPO 001-775442, Revision: , Pages

Terms of Validity:

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STANDARDS

KONGSBERG MARITIME AS, TRONDHEIM

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ABS Rules:

2025 Rules for Conditions of Classification, Part 1 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2025 Marine Vessels Rules: 4-8-3/1.7,4-9-9/13 Table 1

2025 Rules for Conditions of Classification, Part 1 - Offshore Units and Structures: 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2025 Offshore Units Rules:6-1-1/13

National:

NA

International:

IACS UR E10 Rev.9 (2024)

Government:

NA

EUMED:

NA

OTHERS:

NA