



CERTIFICATE NUMBER	23-2470272-PDA
EFFECTIVE DATE	10-Nov-2023
EXPIRY DATE	09-Nov-2028
ABS TECHNICAL OFFICE	Busan Engineering Admin

## 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: Pressure Transmitter**  
**Model: GT-300 and GT-301**  
**Endorsements:**  
**Tier: 3 - Type Approved, unit certification not required**

This Product Design Assessment (PDA) Certificate remains valid until 09/Nov/2028 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

  
Seong Ju Kang, 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)

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**Tier: 3 - Type Approved, unit certification not required**

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**Product:** Pressure Transmitter

**Model:** GT-300 and GT-301

**Endorsements:**

**Intended Service:**

ABS classed vessels and offshore facilities in accordance with the listed ABS Rules.

**Description:**

The GT-300 and GT-301 pressure transmitters measure pressure using capacitive pressure-sensing cells together with electronic units encapsulated in the sensor body.

**Rating:**

Power supply: 24 VDC (12 to 32 VDC);

Output signal: 4 to 20 mA;

Transmitter output current:  $3.8 \text{ mA} < I_o < 21.6 \text{ mA}$

Output signal with sensor fault:  $< 3.6 \text{ mA}$

Ambient temperature:  $-45^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ ;

Enclosure protection degree: IP 56;

Pressure Range up to 100 bar;

**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:**

GT 300 - General/Engine Room; GT 301 - Engine Room, side mounted.

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

**Notes/Drawing/Documentation:**

Drawing No. 110-0037241, EU Declaration, Revision: 1, Pages: 1

Drawing No. 297832, EMC report, Revision: 1, Pages: 1

Drawing No. 424746, Sw version I, Revision: 1, Pages: 1

Drawing No. Declaration of Conformity new, GT300, Revision: 1, Pages: 1

Drawing No. E16195.01 rev 02, EMC report, Revision: 1, Pages: 1

Drawing No. GT-1702, Version C, Revision: 1, Pages: 1

Drawing No. GT-1703, Version C, Revision: 1, Pages: 1

Drawing No. GT-1706, Version ID, Revision: 1, Pages: 1

Drawing No. GT-1707, Version B, Revision: 1, Pages: 1

Drawing No. GT300 new, Datasheet, Revision: 1, Pages: 1

Drawing No. GT301 new, Data sheet, Revision: 1, Pages: 1

Drawing No. ISO, 9001, Revision: 1, Pages: 1

Drawing No. MD, GT300 and GT400, Revision: 1, Pages: 1

Drawing No. PDA, GT300 renewal, Revision: 1, Pages: 1

Drawing No. PDA new, Renewal 19-YO1908469, Revision: 1, Pages: 1

Drawing No. PO, 001-765659, Revision: 1, Pages: 1

Drawing No. Plan approval, GT300, Revision: 1, Pages: 1

Drawing No. Quote, Revising PDA 19-YO1908469, Revision: 1, Pages: 1

Drawing No. Test report, GT30x and GT40x, Revision: 1, Pages: 1

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**Terms of Validity:**

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**STANDARDS**

**ABS Rules:**

- 2023 Marine Vessels Rules 1-1-4/7.7, 1-1-A3 & 1-1-A4, 4-9-9/13
- 2023 Mobile Offshore Units Rules 1-1-4/9.7, 1-1-A2 & 1-1-A3, 6-1-1/9 and 6-1-1/13
- 2023 Facilities on Offshore Installations 1-1-4/9.7, 1-1-A2 & 1-1-A3

**National:**

NA

**International:**

IACS UR E10 Rev.9 (2023)

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA