



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx PRE 18.0087X** Page 1 of 4 [Certificate history:](#)  
Issue 0 (2020-05-13)

Status: **Current** Issue No: 1

Date of Issue: 2021-02-18

Applicant: **KONGSBERG MARITIME AS**  
Skonnertvegen 1  
7053 Ranheim  
Norway

Equipment: **SENTRY GB-300 Wireless Temperature Measuring System**

Optional accessory:

Type of Protection: **Equipment protection by type of protection "n"**

Marking: Ex nA [ja Ga] IIC T5 Gc -25°C≤Ta≤+85°C  
Ex nA [ja Ga] IIC T5 Gc -40°C≤Ta≤+85°C (use with STAHL cabinet item 8510/0-0400-0400-230-3311)

Approved for issue on behalf of the IECEx  
Certification Body:

**Asle Kaastad**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DNV GL Presafe AS**  
Veritasveien 3  
1363 Høvik  
Norway





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Manufacturer: **KONGSBERG MARITIME AS**  
Skonnertvegen 1  
Ranheim 7053  
Norway

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-11:2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

**IEC 60079-15:2010** Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition:4

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NO/PRE/ExTR18.0099/01](#)

Quality Assessment Report:

[NO/PRE/QAR18.0016/01](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The SENTRY SPU GNP300, covered by this certificate, is the signal-processing unit in a wireless temperature measuring system. The signal-processing unit comprises a metal enclosure containing the power supply, communication and up to 20 intrinsically safe RF channels. The signal-processing unit generates a low energy and high frequency radar pulse, which is transmitted to a wireless sensor via a stationary antenna (antenna and sensor are not covered by this certificate).

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. The equipment does not fulfil the dielectric strength requirement according to Clause 6.3.13 of IEC 60079-11:2011. Special consideration must be taken under installation. See Safety Control Drawing no. GB-1233.
2. Separate IECEx and ATEX certified IP54 cable gland or plugs shall be used.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Extension to lower ambient temperature -40 ° C for use with STAHL cabinet item 8510/0-0400-0400-230-3311

**Annex:**

[Annex to IECEx certificate IECEx PRE 18.0087X.pdf](#)

Annex to certificate: IECEx PRE 18.0087X Issue No.1

Type designation and explanation of order key:

**GBP300/abccdefg**

