

[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] EU-Type Examination Certificate Number: **Presafe 18 ATEX 13742X** **Issue 3**

[4] Product: **SENTRY GB-300 Wireless Temperature Measuring System**

[5] Manufacturer: **Kongsberg Maritime AS**

[6] Address: **Skonnertvegen 1
7053 Ranheim
Norway**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in confidential reports listed in item 16.


[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN IEC 60079-0:2018, EN IEC 60079- 7:2015/A1:2018, EN 60079-11:2012**
Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

 **II 3(1) G Ex ec [ia Ga] IIC T5 Gc -25°C≤Ta≤+75°C** (Standard Enclosure)

 **II 3(1) G Ex ec [ia Ga] IIC T5 Gc -40°C≤Ta≤+85°C** (use with STAHL cabinet item 8510/0-0400-0400-230-3311)



Date of issue:
2026-06-15



Ståle Sandstad
For DNV Product Assurance AS
The Certificate has been digitally signed.

[13]

Schedule

[14] **EU-Type Examination Certificate No:**

Presafe 18 ATEX 13742X

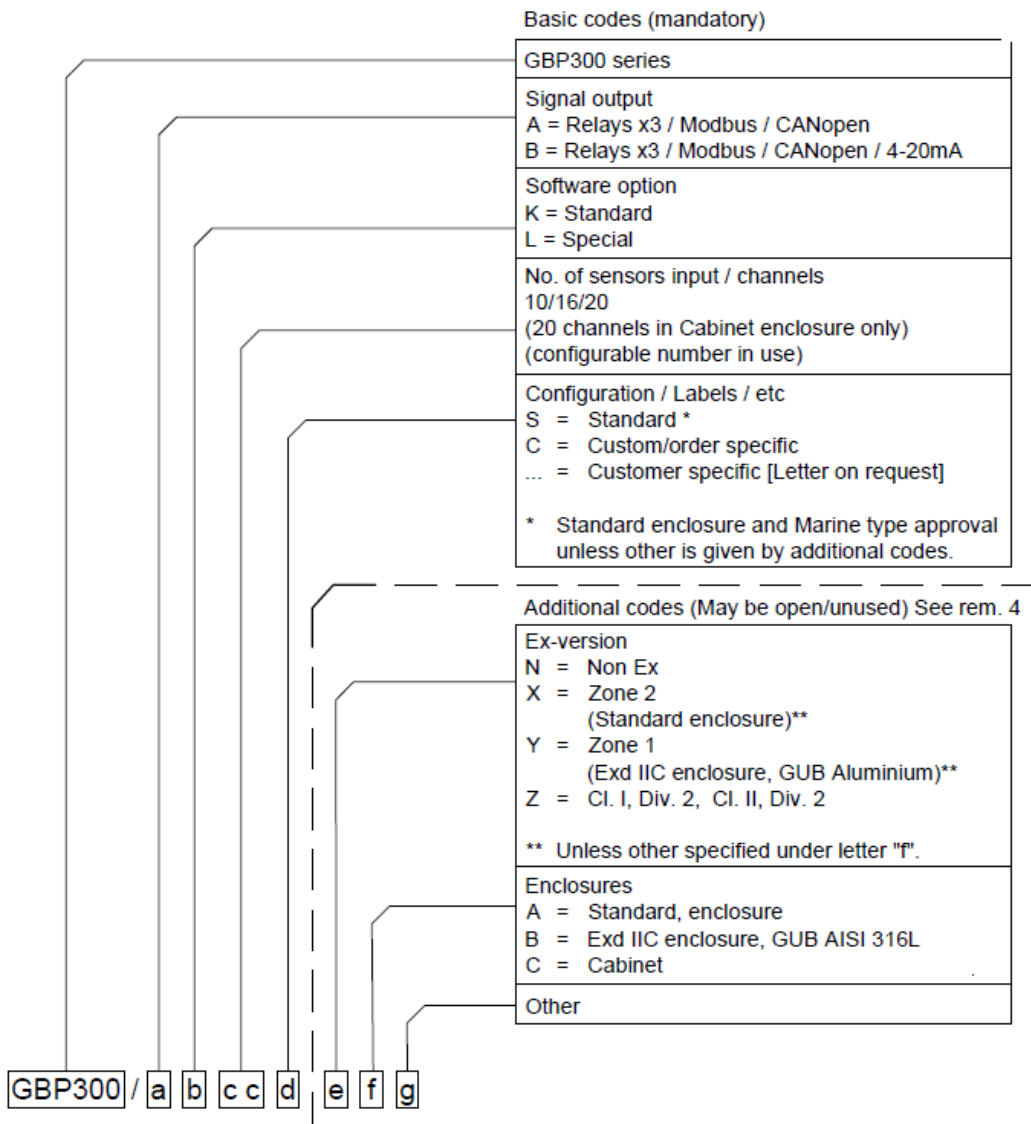
Issue 03

[15] **Description of Product**

The SENTRY SPU GBP300, 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).

Type designation

SENTRY SPU - GBP300/abccdefg



Electrical Data

Power supply: 24VDC nom. (18-32VDC)

Maximum safe voltage U_m : 250VAC

Max RF pulse power out 100mW, mean RF power 140 μ W, 856MHz

Degrees of protection (IP Code)

IP54 accordance with IEC 60529

Ambient temperature:

-25°C to +75°C (Standard Enclosure)

-40°C to +85°C (use with STAHL cabinet item 8510/0-0400-0400-230-3311)

Routine tests

None

[16] **Report No.:** 200572

Project No.: PRJN-200572-2020-PA-NOR

[17] **Specific Condition(s) of Use**

- The equipment does not fulfil the dielectric strength requirement according to Clause 6.9 of IEC 60079-11:2023. Special consideration must be taken under installation. See Instructions no. 447662.
- Separate IECEx / ATEX certified IP54 cable gland or plugs shall be used.
- Equipment intended to be used in installation in an area providing at least pollution degree 2.
- Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment

[18] **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9. Product also complies with EN IEC 60079-11:2024.

[19] Drawings and documents

Number	Title	Rev.	Date
457503	Signal Processing Unit type GBP300/- BK10SXC, BK16SXC & BK20SXC. 10,16 and 20 channels in STAHL Cabinet	B	2020-11-05
E-2782	Name label for GBP300/-- for Zone 1 and Zone 2	K	2026-06-04
GB-1233	Safety control drawing GBP300 Instruction for using GBP300 in Hazardous area	D	2026-05-18
GB-1234	GBP300 Framework drawing zone 2 10 / 16 channels	D	2026-05-18
Intrinsic Safety			
7212-500.000	GBA-300 PCB layout	B	2019-03-12
7212-500.900	GBA-300 PCB specification	A	2018-11-01
7212-500.911	GBA-300 Bill of Materials EX variant 16 channel	D	2026-03-13
7212-500.931	GBA-300 Bill of Materials EX variant 10 channel	C	2026-03-13
GB-1204	GBA-300 Schematics	B	2018-05-25
448173	GBA-300 coating information	B	2026-03-03
449688	GBP300 RF output and GBS-1 Simple apparatus	C	2019-11-12
GB-1235	GBP300 Ordering key	F	2023-03-28

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue, Presafe 18 ATEX 13742X	2020-05-13	D0003234
1	Extension to lower ambient temperature -40°C for use with STAHL cabinet item 8510/0-0400-0400-230-3311 and update of schedule documents.	2021-02-18	200572
2	Updated of documentation as marking plate, instructions, bill of materials and safety control drawing.	2022-03-11	200572
3	<ul style="list-style-type: none"> Assessment to the latest standard for IEC 60079-11 Transfer of protection type from Ex nA to Ex ec. Ambient temperature correction with respect to enclosure type 	2026-06-15	2026-3125

Compliance of the product with the applicable safety requirements of the relevant industrial standards has not been verified and is not covered by this certificate.

END OF CERTIFICATE