

防爆合格证

Electrical Apparatus for Explosive Atmospheres CERTIFICATE OF CONFORMITY



国家防爆

Manufacturer Kongsberg Maritime AS
Skonnertvegen 1, 7053 Ranheim, Norway

Product SENTRY GB-300 Wireless Temperature Measuring System

Type GBP300/abccdefg

Marking Ex d [ia Ga] IIC T6 Gb

Standard(s) --

Drawing No. 452269

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

- GB 3836.1-2010 Explosive atmospheres - Part 1: Equipment - General requirements
- GB 3836.2-2010 Explosive atmospheres - Part 2: Equipment protection by flameproof enclosure "d"
- GB 3836.4-2010 Explosive atmospheres - Part 4: Equipment protection by intrinsic safety "i"

Note:

See Annex (2 pages in total).

Director

Date:

2021-12-14

Valid until:

2026-12-13



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Note: This certificate is only valid for products which are identical with the sample(s) tested and verified. Holder of this certificate has the responsibility to ensure the products comply with relevant standards.

防爆合格证 (附页)**Electrical Apparatus for Explosive Atmospheres
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Page 1 of 2

1. This product has been certified, under certificate number IECEx PRE 18.0086X , issue 0, dated 2020-04-24 and Test report NO/PRE/ExTR18.0098/00 dated 2020-04-24.

2. Type designation and explanation of order key:

GBP300	a	b	cc	d	e	f	g
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

(1) GBP 300 series

(2) signal output

A = Relays×3/Modbus/CANopen

B = Relays×3/Modbus/CANopen/4-20mA

(3) Software option

K = Standard

L = Special

(4) No. Of sensors input/channels

10/16

(configurable number in use)

(5) Configuration / Labels

S = Standard*

C = Custom/order specific

= Customer specific [Letter on request]

*Standard enclosure and Marine type approval unless other is given by additional codes.

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防爆合格证 (附页)

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- (6) Ex-version
Y = Zone 1
(Ex d IIC enclosure,GUB Aluminium)**
** Unless other specified under letter "f".

- (7) Enclosures
B = Ex d IIC enclosure,GUB AISI 316L

- (8) Other

Note: (1)~(5) are basic codes (mandatory),(6)~(8) are addition codes(May be open /unused).

3. Electrical data:

Power supply: 24VDC nom. (18-32VDC) / 10W

Maximum safe voltage Um: 250Vrms

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

4. Specific conditions of use:

- Ambient temperature: -20°C to+60°C.

- The equipment does not fulfil the dielectric strength requirement according to Clause 6.3.12 of GB3836.4-2010. Special consideration must be taken under installation. See Safety Control Drawing no. GB-1233.

- The width of the flameproof joints is superior to those specified in the tables of GB3836.2-2010 standard: contact the original manufacturer for any repairs of the flameproof joints.

-Separate Ex certified Ex d IIC Gb IP66/67 cable gland or plugs shall be used.

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