

[1] EC-TYPE EXAMINATION CERTIFICATE

**[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC**

- [3] EC-Type Examination Certificate Number:** Nemko 03ATEX014
- [4] Equipment or Protective System:** Wireless Temperature Monitoring System
- [5] Applicant:** Kongsberg Maritime AS
- [6] Address:** Haakon VII's gate 4,
N-7005 Trondheim
Norway
- [7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.**
- [8] Nemko AS, notified body number 0470 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.**
- The examination and test results are recorded in confidential report no. 15316
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:**
CENELEC EN 50014: 1997 + A1: 1999 + A2: 1999 , CENELEC 50018:2000, CENELEC EN 50020:1994
- [10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.**
- [11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.**
- [12] The marking of the equipment or protective system shall include the following :**



II 2(1) G

EEx d[ia] IIC T5 Ta: +85°C

Oslo, 2004-01-15



Rolf Hoel
Certification Department

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+47 22 96 03 30
Fax:
+47 22 96 05 50

Enterprise number:
NO 974404532

[13] Schedule**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 03ATEX014****[15] Description of Equipment or Protective System**

The system constitutes a wireless temperature monitoring system for measurement of temperature. It comprises a signal processing/barrier unit model GBP100 with type of protection EEx [ia] IIC which is placed in an EEx d IIC enclosure as shown in the descriptive documents.

The intrinsically safe parts of the system are covered by the certificate Nemko 03ATEX016X

Type Designation

Sentry SPU - GBP100/----X

Data

Power supply 18-32V DC
Maximum safe voltage Um: 250V

[16] Report No. 15316**Descriptive Documents**

Name/Number	Rev.	Date
GB-448	B	27.03.2003
GB-410	D	28.01.2003
Materialliste for Sentry SPU, GBP100/----3X med EEx "d" kapsling.	A	09.01.2004
E-2619	E	10.01.2003

[17] Special Conditions for Safe Use
None**[18] Essential Health and Safety Requirements**
Covered by item 9

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SUPPLEMENT 1 TO EC-TYPE EXAMINATION CERTIFICATE**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 03ATEX014****[15] Description of Equipment or Protective System**

The certificate is extended to include descriptive document that show the various types of Signal processing units.

[16] Report No. 24943**Descriptive Documents**

Name/Title	Drawing No.	Rev.	Date	Sheets
Signal Processing Unit, GBP---	GB-725	-	2004-06-28	1

Oslo, 2004-10-28

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SUPPLEMENT 2 TO EC-TYPE EXAMINATION CERTIFICATE**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 03ATEX014****[15] Description of Equipment or Protective System**

Various technical changes and changes of documentation. The technical changes has no influence on the Ex safety of the apparatus.

[16] Report No. 133908**Descriptive Documents**

Name/Title	Drawing No.	Rev.	Date	Sheets
Sentry GBP100/----2X Ex utgave Sammenstillingstegning	GB-410	D	20.11.2003	1
Sentry GBP100/----3X EEx d IIC kapsling Sammenstillingstegning	GB-448	C	05.11.2004	1
Name label for GBP100/----X EEx-version Detail drawing	E-2619	F	11.06.2004	1
Materialliste for Sentry SPU, GBP100/----3X med EEx "d" kapsling	GBP-100_BOM	B	16.12.2009	1

Oslo, 2009-12-18

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