

# [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: **Nemko10ATEX1051** **Issue 2**

[4] Equipment or Protective System: **Loudspeaker**  
[5] Applicant/ Manufacturer: **DNH AS**  
[6] Address: **Grueveien 2-6**  
**3770 Kragerø**  
**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. 230820

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
EN 60079-0: 2009, EN 60079-1: 2007, EN 60079-7: 2007 and EN 60079-18: 2009.

[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:

	<b>II 2G</b>	<b>Ex d e mb IIC T6 Gb</b>	<b>-50°C ≤ Ta +50°C</b>
	<b>II 2G</b>	<b>Ex d e mb IIB+H<sub>2</sub> T6 Gb</b>	<b>-50°C ≤ Ta +50°C</b>

Oslo, 2013-04-19



**Arne Hortman**  
Certification Manager, Ex-products

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**[13] Schedule****[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko10ATEX1051 Issue 2****[15] Description of Equipment or Protective System**

This Certificate covers a loudspeaker with (HS-8EExmNM(T)) or without monitoring card (HS-8EExmN(T)). T in the designation indicates design with transformer. The loudspeaker has a sintered metal of bronze for use in IIB + H<sub>2</sub> or sintered metal of stainless steel for use in IIC.

There is an alternative design with e-chamber encapsulated and permanent cable.

**Type Designations / Technical data**

Type: HS-8EExmN(T) and HS-8EExmNM(T)

**Voltage:** 100V

**Current:** 80mA

**Power:** 8W

**Ingress Protection Code:** IP67

**[16] Report No. 230820****Descriptive Documents**

Name/Number	Rev.	Date	Title/Description	Sheets
1086-A3-A	1	04.04.2013	HS-8EExmN(T)	1
1129-A3-F	F	16.05.2007	HS-8EExmN, HS-8EExmNT	1
1086	01	May 2011	HS-8EExmN(T) BOM	1
1188-A4-F	F	18.10.2010	LMC170 Variant beskrivelser	1
0100.32.170.3	C	07.06.2002	Loudspeaker monitor and control Schematic Diagram	1

**Routine Test**

Visual inspection for damage of the compound.

A dielectric strength test with 1500VAC for 1 minute shall be carried out on each loudspeaker.

The electrical data shall be checked by measurements of voltage, current and active power.

**Certificate History and Associated Nemko Reports**

Issue	Date	Report	Description
0	2010-11-10	136851	Prime Certificate released
1	2011-06-06	174796	The descriptive documents are updated to include IECEx components and standards
2	2013-04-18	230820	Dust marking removed.

**[17] Special Conditions for Safe Use**

None

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

See item 9

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Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



**UK Office**

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.