

[1] UNITED KINGDOM CONFORMITY ASSESSMENT

# UK TYPE EXAMINATION CERTIFICATE

[2] Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

[3] UK Type Examination Certificate Number: **DNV 22 UKEX 42778X** **Issue 0**

[4] Product: **Loudspeaker**

[5] Manufacturer: **DNH AS**

[6] Address: **Gruveveien 4  
3770 Kragerø  
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 Business Assurance UK Ltd, Approved Body number 8501 in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.

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 60079-1: 2014, EN 60079-7: 2015/A1: 2018, EN 60079-18: 2015/A1: 2017 and EN 60079-31: 2014**

Except in respect of those requirements listed at section 18 of the schedule to this certificate.

[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 UK TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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

 **II 2G Ex db eb mb IIB+H<sub>2</sub> T4 Gb**

 **II 2G Ex db eb mb IIC T4 Gb**

 **II 2D Ex tb IIIC T105°C Db**



Date of issue:  
2022-07-05



**Bjørn Spongsveen**  
For DNV Business Assurance UK Ltd  
The Certificate has been digitally signed.  
See [www.dnv.com/digitalsignatures](http://www.dnv.com/digitalsignatures) for info



[13] **Schedule**

[14] **UK Type Examination Certificate No:** DNV 22 UKEX 42778X Issue 0

[15] **Description of Product**

This Certificate covers a loudspeaker. T in the designation indicates design with transformer. For IIC sintered metal of stainless steel, type SIKA-R 200 is used. For IIB +H2 sintered metal of bronze, type SIKA-B 200 is used.

**Type designation**

Type	Marking	Ambient temperature	Freq. range
DSP-15EExmN(T)	 II 2G Ex db eb mb IIB+H <sub>2</sub> /IIC T4 Gb II 2D Ex tb IIIC T105°C Db	-50°C ≤ Ta ≤ +60°C	150 – 20000Hz
DSP-15EExmNM(T)	 II 2G Ex db eb mb IIB+H <sub>2</sub> /IIC T4 Gb II 2D Ex tb IIIC T105°C Db	-50°C ≤ Ta ≤ +60°C	150 – 20000Hz

**Electrical Data**

**Current, max.:** 0,25A **Voltage, max.:** 100V

**Variants:**

- «MF» in type designation indicates encapsulated e-chamber and permanently connected cable.
- «L» in type designation indicates long flare.

**Degrees of protection (IP Code)**

IP66 and IP67 (for e-chamber) according to IEC 60529 Edition 2.1.

**Ambient temperature:**

-50°C ≤ Ta ≤ +60°C

**Routine tests**

Visual inspection according to EN 60079-18 clause 9.1  
 Dielectric strength test according to EN 60079-18 clause 9.2

[16] **Report No.:** 220294

[17] **Specific Conditions of Use**

- The Loudspeaker shall only be installed in areas where there is a low risk of impact.

**Notes for manufacture, installation and operation:**

- When the bracket of the loudspeaker is mounted onto the construction, the bracket must be connected to earth potential through the construction.

[18] **Essential Health and Safety Requirements (Regulations Schedule 1)**

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

[19] **Drawings and documents**

Number	Title	Rev.	Date
1188-A4-G	LMC170 Variant beskrivelser	G	04.05.2015
2205	DSP-15EEx-m- model/T Gas group: IIB+H2 or IIC	9	25.06.2021
2205-A3	DSP-15EExmN/T DSP-15EExmNM/ T	8	30.08.2016
2797	UKEX marking -DSP-15EEx	1	27.05.2022

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2022-07-05	220294

END OF CERTIFICATE

