

## Translation

# (1) EC-Type Examination Certificate

(2) Equipment and protective systems intended for use  
in potentially explosive atmospheres - Directive 94/9/EC

(3) No. of EC-Type Examination Certificate: **BVS 13 ATEX E 119**

(4) Equipment: **Headset type Hs13**

(5) Manufacturer: **FHF Funke + Huster Fernsig GmbH**

(6) Address: **Gewerbeallee 15-19, 45478 Mülheim an der Ruhr, Germany**

(7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this type examination certificate.

(8) The certification body of DEKRA EXAM GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that this equipment 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 the Test and Assessment Report BVS PP 13.2219 EG.

(9) The Essential Health and Safety Requirements are assured by compliance with:

**EN 60079-0:2012 General requirements**  
**EN 60079-11:2012 Intrinsic Safety "i"**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the appendix to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:

 **II 2G Ex ib IIB T4 Gb**

DEKRA EXAM GmbH  
Bochum, dated 2013-11-20

Signed: Dr. Eickhoff

Certification body

Signed: Dr. Wittler

Special services unit

- (13) Appendix to
- (14) **EC-Type Examination Certificate**  
**BVS 13 ATEX E 119**
- (15) 15.1 Subject and type

Headset type Hs13

15.2 Description

The headset consists of two ear caps with inside fastened loudspeakers and a clamp with microphone. The headset will be connected to a telephone via an up to 1m long cable with connector.

15.3 Parameters

Voltage	Ui	17	V
Current	Ii	250	mA
Power	Pi	650	mW
Max. internal capacitance	Ci	negligible	
Max. internal inductance to resistance ratio	L/Ri	40	$\mu\text{H}/\Omega$
Ambient temperature range	Ta	-20 °C to +60 °C	

- (16) Test and Assessment Report


BVS PP 13.2219 EG as of 2013-11-20

- (17) Special conditions for safe use

None

We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH  
44809 Bochum, 2013-11-20  
BVS-Schu/Ma A 20131037

  
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Certification body

  
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Special services unit