



EC-Type Examination Certificate

- (1) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 94/9/EC)**

(3) EC-Type Examination Certificate Number:

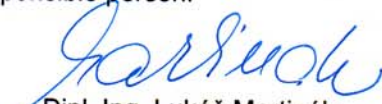
FTZÚ 14 ATEX 0130X

- (4) Equipment or protective system: **Handheld vibration analyzer A4900 Vibrio Ex**
- (5) Manufacturer: **ADASH spol. s r.o.**
- (6) Address: **Hlubinská 32/1379, Ostrava 702 00, Czech Republic**
- (7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) The Physical Technical Testing Institute, notified body number 1026 in accordance with Article 9 of the 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 N°:
14/0130 dated 23.03.2015
- (9) Compliance with Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012, EN 60079-11:2012
- (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 testing 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 2G Ex ib IIC T4 Gb**

This EC-Type Examination Certificate is valid till: **31.03.2020**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 27.03.2015

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This certificate may only be reproduced in its entirety and without any change, schedule included.

FTZÚ, s.p., Pikartská 1337/7, 716 07 Ostrava-Radvanice, Czech Republic,
tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz



Physical Technical Testing Institute
Ostrava – Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 14 ATEX 0130X**

(15) Description of Equipment:

The equipment is battery powered intrinsically safe Handheld vibration analyzer A4900 Vibrio Ex with external sensor and data memory. The enclosure of equipment is made from aluminum alloy with latched front and rear panel. Equipment is equipped by headphones connector and sensor connector. Sensor connector is used also for data communication in area without present of explosion atmosphere. Inside the equipment are mounted PCB's and two primary cells. External sensors which are used with this equipment are not evaluated in this certificate.

Parameters:

Degree of protection: IP 65

Ambient temperature: -20°C to +50°C

Connector H3 Binder7 - 7-pins sensor connector:

Pin 1 – GND: $U_o = 25.6 \text{ V}$, $I_o = 92 \text{ mA}$, $C_o = 100 \text{ nF}$, $L_o = 60 \text{ } \mu\text{H}$

Connector CN1 – Jack stereo 3,5

Pins 1,2 – 3: $U_o = 5.4 \text{ V}$, $I_o = 235 \text{ mA}$, $C_o = 10 \text{ } \mu\text{F}$, $L_o = 1 \text{ mH}$

(16) Report No.: 14/0130

(17) Special conditions for safe use:

17.1 In equipment can be used only cells Energizer L91.

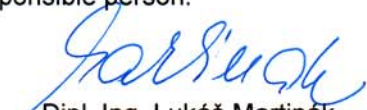
(18) Essential Health and Safety Requirements:

Essential health and safety requirement of Directive 94/9/EC are covered by the standard mentioned in (9), according which the product was verified and in the manufacturer's instruction for use.

(19) List of Documentation:

<i>Title:</i>	<i>Drawing No.:</i>	<i>Date:</i>	<i>Rev.:</i>	<i>Pages:</i>
Technical description	A4900 Vibrio Ex	20.02.2015	1	40
User's manual	20022015MK	20.02.2015	1.1	55

Responsible person:


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Date of issue: 27.03.2015

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(1) **Supplementary EU - Type Examination Certificate No.1**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 14 ATEX 0130X

(4) Product: **Handheld vibration analyzer A4900 Vibrio Ex**

(5) Manufacturer: **ADASH spol. s r.o.**

(6) Address: **Hlubinská 32/1379, 702 00 Ostrava, Czech Republic**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 14 ATEX 0130X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, 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 Annex II to the Directive.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013, EN 60079-11:2012

(11) The marking of the product shall include the following:

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

(12) This certificate is valid till: **31.03.2020**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 02.03.2018

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**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 14 ATEX 0130X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- The possibility of use a protection cover.

The subject of this supplementary EU - type certificate is expansion of product by a protection cover which is made from black antistatic material. The parts of cover are also two metal clips and strap for wearing. The product may be used in the area with present of explosive atmosphere with or without protection cover. The protection cover is manufactured and distributed by manufacturer of certified product Handheld vibration analyzer A4900 Vibrio Ex. The product still without constructional changes. The parameters of product still valid without changes. The updated documents related to protection cover are listed in clause (19) of this supplementary EU – certificate.

(16) Report Number.: 14/0130/1

(17) Specific Conditions of Use:

None additional to those listed previously.

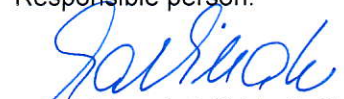
(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number:	Sheet:	Issue:	Date:	Description:
-	5	1.0	09.02.2018	Antistatic cover
01032018MK	56	1.12	01.03.2018	User's manual

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 02.03.2018

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