



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°:

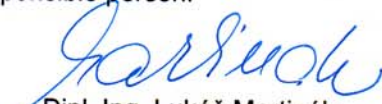
14/0130 dated 23.03.2015

- (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 is granted subject to the general conditions of the FTZÚ, s.p.
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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.

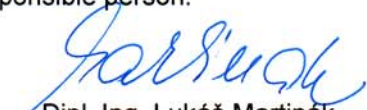
(18) Essential Health and Safety Requirements:

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

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