



EC-Type Examination Certificate

(1)

(2)

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

(3) EC-Type Examination Certificate Number:

FTZÚ 14 ATEX 0055X

(4) Equipment: **SV 104IS Noise Dosimeter**

(5) Manufacturer: **SVANTEK Sp. z o.o.**

(6) Address: **Strzygłowska 81, 04-872 Warszawa, Poland**

(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°:

14/0055 dated 10.02.2015

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

EN 60079-0:2012, EN 60079-11:2012, EN 60079-26:2007, EN 50303:2000

(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:



**I M1
II 1G**

**Ex ia I Ma
Ex ia IIC T4 Ga**

This EC-Type Examination Certificate is valid till: **10.02.2020**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: **10.02.2015**

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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 0055X**

(15) Description of Equipment:

The equipment is an intrinsically safe, hand held, personal noise dosimeter. The equipment consists of the PCBs with electronic circuits, one secondary cell and one microphone inside of a plastic dissipative enclosure with two clips for fixing. The equipment has only two external contacts for battery charging in a non-hazardous area.

Parameters:

Ambient temperature: $-10^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$

Charging parameters: $U_m = 6.6 \text{ V}$

Degree of protection: IP65

(16) Report No.: 14/0055

(17) Special conditions for safe use:

17.1 The equipment shall only be charged in non-hazardous area by manufacturer's chargers.

(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 Operating manual.

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Head of Certification Body



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(19) List of Documentation:

Number:	Rev.:	Date:	Description:
DIV104IS/C---/1-F/PCT.EN/A2	A2	27.01.2015	IS PROTECTION DESCRIPTION
DIV104IS/CGAB/01K/RYS.EN/00	00	13.08.2014	MAIN DIMENSIONS
DIV104IS/CPRZ/01K/RYS.EN/00	00	27.01.2015	HOUSING INTERNAL ARRANGEMENT
DIV104IS/CUSZ/01K/RYS.EN/00	00	13.08.2014	SEALING ASSEMBLY
DIV104IS/CNCM/01K/RYS.EN/00	00	26.01.2015	NON-CONDUCTIVE MATERIALS
DIV104IS/CAKC/01K/RYS.EN/00	00	27.01.2015	ACCESSORIES
DIV104IS/CBTP/01K/RYS.EN/00	00	09.12.2014	BATTERY PACK
DIV104IS/CMB1/01K/RYS.EN/00	00	19.12.2014	FUSE 104BB
DIV104IS/CMF1/01K/DKW.EN/A1	A1	03.09.2014	IM104FB1 Membrane Keypad
DIV104IS/CFD-/01K/DKW.EN/00	00	22.01.2015	ISFSV104IS-DEN-V01 Identification Label
DIV104IS/CM--/--K/BOM.EN/A1	A1	27.01.2015	SV 104IS - BILL OF MATERIAL
DIV027IS/CM--/--K/BOM.EN/A1	A1	16.01.2015	SV 27IS - BILL OF MATERIAL
DIV104IS/MIB-/1-K/SCH.EN/A3	A3	29.11.2014	104IB IS Mainboard
DIV104IS/MVB-/1-K/SCH.EN/A2	A2	20.01.2015	104VB IS OLED Display board
DIV104IS/MLC-/1-K/SCH.EN/A2	A2	05.01.2015	104LC IS Li-ion Battery Pack
DIV104IS/MCC-/1-K/SCH.EN/A2	A2	16.12.2014	104CC Charging contacts PCB
DIV104IS/MPE-/1-K/SCH.EN/A0	A0	29.08.2014	104PE Mic Mounting Head
DIV104IS/MFB-/1-K/SCH.EN/A0	A0	27.01.2015	104FB FLEX KEYPAD LAYER
DIV027--/MHE-/111/SCH.EN/A0	A0	06.06.2014	027HE TEDS Memory board
DIV027--/MME-/1-K/SCH.EN/A0	A0	06.06.2014	027ME MEMS microphone
104IB_A2.PcbDoc	A2		104IB: PCB MAIN BOARD
104VB_A0.PcbDoc	A0		104VB: PCB DISPLAY BOARD
104NB_A0.PcbDoc	A0		104NB: PCB SEPARATOR
104BB_A0.PcbDoc	A0		104BB: PCB BATTERY PACK FUSE
104LC_A2.PcbDoc	A2		104LC: PCB BATTERY PACK MAINBOARD
104KC_A2.PcbDoc	A2		104KC: PCB BATTERY PACK TOP COVER
104PE_A0.PcbDoc	A0		104PE: PCB MIC MOUNTING HEAD
104CC_A0.PcbDoc	A0		104CC: PCB CHARGING CONTACTS
104FB_A0.PcbDoc	A0		104FB: PCB FLEX KEYPAD LAYER
027ME_A0.PcbDoc	A0		027ME: PCB TEDS MEMORY
027HE_A0.PcbDoc	A0		027HE: PCB MEMS MICROPHONE
SV 104IS User's Manual.pdf	v10	26.01.2015	User's Manual

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