



**BUREAU
VERITAS**



(1) **EC-Type Examination Certificate**

(2) **Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 94/9/EC**

(3) **EC Type Examination Certificate Number**

EPS 13 ATEX 1 579 X

Revision: 0

(4) **Equipment:** Android Smartphone type: INNOVATION 2.0 and 2.1

(5) **Manufacturer:** i.safe MOBILE GmbH

(6) **Address:** i_PARK TAUBERFRANKEN 14,
97922 Lauda-Koenigshofen, Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 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 of the Directive. The examination and test results are recorded in the confidential report 13TH0515.

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

EN 60079-0:2009

EN 60079-11:2007

EN 61241-11:2006

(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 schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

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



II 2G Ex ib IIC T4 Gb

II 2D Ex ib IIIC T135°C Db IP6X

Certification department of explosion protection

Türkheim, December 11, 2013



D. Zitzmann



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(13)

Annexe

(14) **EC-Type Examination Certificate EPS 13 ATEX 1 579 X**

(15) Description of equipment:

The intrinsically safe smartphone INNOVATION 2.0 and 2.1 is designed for voice and data communications in explosion hazardous areas of zone 1, 2, 21 and 22. It is equipped with cameras (only type 2.0), GPS, Dual-SIM, Bluetooth, touchscreen, PTT, optional lone worker protection and NFC technology. The software is based on the Android-operating system. The permitted ambient temperature is -20°C to +60°C.

The power supply of the smartphone consists of a battery pack mounted on the back of the phone. The battery pack contains a Li-ion cell and a current and power-limiting safety circuit. The battery pack is charged without being removed via a USB jack in the base unit or with two charging contacts on the bottom of the device.

Electrical data:

Power supply	The smartphone may only be used with the intrinsically safe battery pack BPI02A made by i.safe MOBILE GmbH. $U_0 = 3,8 \text{ V}$ ($U_{0_max} = 4,2\text{V}$), $I_0 = 1,2 \text{ A}$, $P_0 = 4,56 \text{ W}$
Interface	USB interface for charging and data transfer and additional charging contacts. Connection is only allowed outside ex-hazardous areas and only with the i.safe MOBILE i.safe PROTECTOR USB-cable or other accessories specified by i.safe MOBILE GmbH. Opening the interface covers in explosive atmospheres is not permitted.

(16) Test report: 13TH0515

(17) Special conditions for safe use:

The battery pack may be changed or charged outside ex-hazardous areas only. The test for impact according to EN60079-0 Clause 26.4.2 was done only with low impact energy. The device must be protected from impacts with high impact energy.

(18) Essential health and safety requirements:

Met by standards.

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