

(1) **Certificate of Conformity**

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

(3) Certificate Number:

EPS 18 ATEX 1 128 X

Revision 0

(4) Equipment: IS520.2 intrinsically safe smartphone

(5) Manufacturer: i.safe MOBILE GmbH

(6) Address: i_Park Tauberfranken 10,
97922 Lauda-Koenigshofen
Germany

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

(8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment 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 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 18TH0307.

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

EN 60079-0:2012+A11:2013

EN 60079-11:2012

(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 Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this equipment. Those requirements are not covered by this certificate.

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



II 3G Ex ic IIC T4 Gc IP64

II 3D Ex ic IIIC T135°C Dc IP64

Certification department of explosion protection

H. Schaffer



Nuremberg, 2018-07-06

(13) **Annexe**

(14) **Certificate of Conformity EPS 18 ATEX 1 128 X**

Revision 0

(15) Description of equipment:

The intrinsically safe, rugged industrial smartphone IS520.2 has been designed for use in explosion hazardous areas of zone 2 and 22. The smartphone provides numerous technologies like 4G (LTE), NFC, GPS, Wi-Fi and Bluetooth LE. Equipped with an SD card, changeable battery, 2 cameras (optional), amplified speaker, magnetic charging port and side keys, which allows the allocation of user specific functions or applications.

Electrical data:

Power supply	The smartphone may only be used with the intrinsically safe battery pack BPIS520.2A made by i.safe MOBILE GmbH. Li-Ion battery $U_0 = 3.8 \text{ V}$ ($U_{0_max} = 4.35 \text{ V}$) / 3.6 Ah / 13.68 Wh
Interface	The smartphone has an USB interface for charging and data transfer and additional magnetic charging port contacts on the side for charging. The opening of the USB interface cover in explosive atmospheres is not permitted. Wired data connection and charging is only allowed outside explosion hazardous areas.

(16) Reference number: 18TH0307

(17) Schedule of Limitations:

The battery may be charged outside explosion hazardous areas only.

The device must be protected from impacts with high impact energy, against excessive UV light emission and high electrostatic charge processes.

The permitted ambient temperature range is $-20 \text{ }^\circ\text{C}$ to $+60 \text{ }^\circ\text{C}$.

(18) Essential health and safety requirements:

Met by standards.



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Nuremberg, 2018-07-06