

(1) **Certificate of Conformity**

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

(3) Certificate Number:

EPS 19 ATEX 1 129 X

Revision 0

(4) Equipment: IS655.2 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 19TH0347.

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

EN IEC 60079-0:2018

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 IP54

II 3G Ex ic IIIB T135°C Dc IP54



Certification department of explosion protection

H. Schaffer

Hamburg, 26.09.2019

(13)

Annexe

(14) **Certificate of Conformity EPS 19 ATEX 1 129 X**

Revision 0

(15) Description of equipment:

The intrinsically safe and rugged smartphone IS655.2 has been designed for tough use in explosion hazardous areas of zone 2 and 22. The Android-smartphone provides numerous technologies like 4G (LTE), Wi-Fi, Bluetooth, NFC and GPS. Equipped with an external memory micro SD card, dual nano SIM, amplified loud-speaker and two cameras.

Electrical data:

The IS655.2 smartphone has a built-in rechargeable battery. Li-polymer battery $U_o = 3.8V$ ($U_o_max = 4.35V$)

A commercially available SD card may be used in the corresponding slot in the hazardous area. The internal electrical capacity of the SD card is negligible.

Charging and wired data transmission via the Micro-USB socket: $U_m = 5.88 V$, only outside hazardous areas

(16) Reference number: 19TH0347

(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 $-10\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Hamburg, 26.09.2019

