

(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 1 130 X**

**Revision 0**

(4) Equipment: IS725.2 Multifunctional PTT 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 19TH0294.

(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 3D Ex ic IIIB T150°C Dc IP54



Certification department of explosion protection

Hamburg, 2019-12-06

H. Schaffer



(13)

## Annexe

(14) **Certificate of Conformity EPS 19 ATEX 1 130 X**

**Revision 0**

(15) Description of equipment:

The IS725.2 is the multifunctional Push-To-Talk smartphone for the rugged use in explosion hazardous areas of zone 2 and 22. It has a large PTT button, a freely programmable rotary knob (channel selection) and an ISM interface for intrinsically safe and approved headsets, RSM remote speaker microphones and add-ons, making the smartphone an universal tool for any application. A list of approved accessories can be found at [www.isafe-mobile.com](http://www.isafe-mobile.com). The smartphone provides numerous technologies like an Android operating system, powerful loudspeaker, replaceable battery and a strong LED torch.

Electrical data:

Battery Li-Polymer BPIS725.2

$U_0 = 3.8 \text{ V}$  ( $U_{0,\text{max}} = 4.35 \text{ V}$ )

5000 mAh / 19 Wh

$I_{\text{max}} = 2.835 \text{ A}$

$P_{\text{max}} = 12.33 \text{ W}$

It is permissible to charge the battery pack alone outside the device via an approved charging adapter.

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.

Interfaces:

The device has an USB interface (type C) for charging and data transmission outside hazardous areas. USB-C socket  $U_m = 5.88 \text{ V}$ . It is not permitted to open the USB interface cover in hazardous areas.

For ISM interface use, the i.safe MOBILE headset IS-HS2.2 or approved accessories may be used. If the ISM interface is not used, it must be securely closed by the cover provided for this purpose.

(16) Reference number: 19TH0294

(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 permanent UV light emission and high electrostatic charge processes.

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

(18) Essential health and safety requirements:

Met by standards.

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Hamburg, 2019-12-06



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