



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX EPS 19.0065X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2019-12-06

Applicant: **i.safe MOBILE GmbH**  
i\_Park Tauberfranken 10  
97922 Lauda-Koenigshofen  
Germany

Equipment: **IS725.2 Multifunctional PTT smartphone**

Optional accessory:

Type of Protection: **intrinsic safety "i"**

Marking: Ex ic IIC T4 Gc IP54  
Ex ic IIIB T150°C Dc IP54

Approved for issue on behalf of the IECEx  
Certification Body:

**Holger Schaffer**

Position:

**Certification Manager**

Signature:  
(for printed version)

2019-12-06

Date:



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Bureau Veritas Consumer Products Services Germany GmbH**  
Businesspark A96  
86842 Türkheim  
Germany





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Manufacturer: **i.safe MOBILE GmbH**  
i\_Park Tauberfranken 10  
97922 Lauda-Koenigshofen  
**Germany**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-11:2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

DE/EPS/ExTR19.0062/00

Quality Assessment Report:

DE/EPS/QAR12.0003/05



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

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.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

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  $+60^\circ\text{C}$ .