



# 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 16.0060X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 1 Issue 0 (2017-01-02)  
Date of Issue: 2021-07-15  
Applicant: **i.safe Mobile GmbH**  
i\_Park Tauberfranken 10  
97922 Lauda-Koenigshofen  
**Germany**  
Equipment: **IS320.1 Intrinsically Safe Smartphone**  
Optional accessory:  
Type of Protection: **Intrinsic safety "i"**  
Marking: Ex ib IIC T4 Gb  
Ex ib IIIC T135°C Db IP6X

Approved for issue on behalf of the IECEx  
Certification Body:

Position:

Signature:  
(for printed version)

Date:

**Holger Schaffer**

**Certification Manager**

**2021-07-15**



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/ExTR16.0060/01](#)

Quality Assessment Report:

[DE/EPS/QAR12.0003/12](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The intrinsically safe, rugged smartphone type IS320.1 is designed for voice and data communications in explosion hazardous areas of zone 1 and 21. It is equipped with a camera (also no camera version is available), torch, GPS, acceleration sensor, vibration motor, 3G, Bluetooth, WLAN and NFC technology. The software is based on the ANDROID operating system.

**Power supply** The smartphone may only be used with the intrinsically safe battery pack BPIS320.1 made by i.safe MOBILE GmbH.  
Li-Ion battery  $U_0 = 3.8 \text{ V}$  ( $U_{0\_max} = 4.2 \text{ V}$ ) / 1900 mAh / 7.03 Wh

**Interface** USB interface for charging and data transfer and additional charging contacts on the side for charging.  
Data connection and charging 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.

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

The battery pack may be changed or charged outside ex-hazardous areas only. The device shall 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  $+60 \text{ }^\circ\text{C}$ .



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Update IEC 60079-0 (Ed. 7.0)