



# 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 19.0036X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-04-15

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

Equipment: **IS330.1 Intrinsically safe multifunctional Feature phone**

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



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/ExTR19.0034/00

Quality Assessment Report:

DE/EPS/QAR12.0003/05



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### **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The IS330.1 is the intrinsically safe, multifunctional Feature phone for the rugged use in explosion hazardous areas of zone 1 and 21. It has a PTT and SOS button and an ISM interface for intrinsically safe and approved headsets, remote speaker microphones and add-ons, making the Feature phone a universal tool for any application. The IS330.1 is equipped with an Android operating system, efficient processor, amplified loudspeaker and a replaceable battery. Technologies like 4G (LTE), NFC, GPS, Bluetooth and Wi-Fi complete the performance.

### Electrical data:

Supply: The Feature phone IS330.1 has a replaceable Li-Ion battery  $U_0 = 3.8 \text{ V}$  ( $U_{0\_max} = 4.2 \text{ V}$ ).

### Interfaces:

The device has two charging contacts with which it can be charged outside hazardous areas via an approved charging adapter. The contacts are intrinsically safe for gas and dust.

Furthermore, the device has an USB interface (type C) for charging and data transmission outside hazardous areas. It is not permitted to open the USB interface cover in hazardous areas.

$U_m$  (charging contacts and USB interface) = 5.88 V, this is ensured by using the i.safe PROTECTOR 2.0 or other accessories specified by i.safe MOBILE GmbH.

The ISM interface of the IS330.1 can be used within hazardous areas with approved headsets, Remote Speaker Microphones (RSM) and add-ons, making the Feature phone a multifunctional equipment for industrial applications. For ISM interface use, the i.safe MOBILE headset IS-HS1.1 or i.safe MOBILE approved, intrinsically safe accessories may be used, which comply with the connection parameters of the ISM interface according to document 1029AD04. If the ISM interface is not used, it must be securely closed by the cover provided for this purpose.

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.

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

The battery may be charged and replaced 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  $+60 \text{ }^\circ\text{C}$ .