



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

Certificate No.: **IECEx EPS 20.0078X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2020-12-22
Applicant: **i.safe MOBILE GmbH**
i_Park Tauberfanken 10
97922 Lauda-Koenigshofen
Germany
Equipment: **IS170.2 intrinsically safe key operated mobile phone**
Optional accessory:
Type of Protection: **Intrinsic safety "i"**
Marking: Ex ic IIC T4 Gc
Ex ic IIIB T135°C Dc

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:

Holger Schaffer

Certification Manager

2020-12-22



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 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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Date of issue: 2020-12-22

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Manufacturer: **i.safe MOBILE GmbH**
i_Park Tauberfanken 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/ExTR20.0076/00

Quality Assessment Report:

DE/EPS/QAR12.0003/10



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The intrinsically safe and rugged key operated mobile phone IS170.2 has been designed for tough use in explosion hazardous areas of zone 2 and 22.

The mobile phone is simple to use and provides beneath other features a long-lasting battery and a powerful loudspeaker.

Electrical data:

Power supply:

Replaceable LiPo battery

Interfaces:

The device supports a micro-USB interface ($U_m = 5.88V$) for charging and data transmission outside hazardous areas as well as a 3.5 mm audio jack. Both interfaces are covered by IP pluggers and are not allowed to be opened in ex-hazardous areas.

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 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 $-20^{\circ}C$ to $60^{\circ}C$.