



# 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 TUR 24.0094X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2025-02-18  
Applicant: **Safex Instruments Limited**  
28, Orchard Road, St Annes on Sea,  
FY8 1PF,  
**United Kingdom**  
Equipment: **Intrinsically Safe Mobile Phone, Type: Ex Mobile 20**  
Optional accessory:  
Type of Protection: **Equipment protection by intrinsic safety "ib"**  
Marking: Ex ib IIC T4 Gb  
Ex ib IIIC T130°C Db  
(Ta range: -20°C to +55°C)

Approved for issue on behalf of the IECEx  
Certification Body:

**Dipl.-Ing. Yang Wang**

Position:

**Assigned Certifier**

Signature:  
(for printed version)

Date:  
(for printed version)

2025-02-18

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:

**TUV Rheinland Industrie Service GmbH**  
Am Grauen Stein  
51105 Cologne  
Germany





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Date of issue: 2025-02-18

Issue No: 0

Manufacturer: **Safex Instruments Limited**  
28, Orchard Road, St Annes on Sea,  
FY8 1PF,  
**United Kingdom**

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 60079-11:2023](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:7.0

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/TUR/ExTR24.0094/00](#)

Quality Assessment Report:

[DE/TUR/QAR24.0021/00](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Intrinsically Safe mobile phone (Model: Ex Mobile 20) is a rugged mobile phone. The power of equipment is supplied with chargeable Lithium batteries. The mobile phone has been designed for use in explosion hazardous area for zone 1/21 and zone 2/22.

The mobile phone support 4G/3G/2G, WLAN, GPS, NFC, and Bluetooth. There is a 2.83-inch display with touch panel, the phone has volume up/down and other keys. The mobile phone has 13 Mega Pixel main camera and 8 Mega Pixel front camera (Software Optional). The software is based on android operating system.

### Technical Data:

Electrical data U=4.35V (Powered by Lithium-ion batteries)

Environmental data:

Ingress protection: IP64

Ambient temperature: -20°C to +55°C

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

1. The device only be charged outside explosion hazardous areas, using an adapter specifically supplied by the manufacturer for use with the unit.
2. Read the instructions before use. Only install TF/SIM cards or replace battery pack outside explosion hazardous areas.
3. The rubber plugs of the Type-C USB must be properly installed and closed in hazardous locations. The USB port only can be connected with the USB downloader specifically supplied by the manufacturer.
4. The device shall be protected against excessive UV light emission.
5. The device must be protected from impact with high impact energy.
6. Only the specific battery pack (Type: EX BP20) made by the manufacture "Safex Instruments Limited" can be used.