

(1) EU-TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) EU-Type Examination Certificate Number

TÜV 24 ATEX 9224 X

Issue: 00

- (4) Equipment: **Intrinsically Safe Mobile Phone**
Model Name: Ex Mobile 20
- (5) Manufacturer: **Safex Instruments Limited**
- (6) Address: **28, Orchard Road, St Annes on Sea, FY8 1PF, United Kingdom**
- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report GC/Ex9224.00/24
- (9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN IEC 60079-0:2018 EN 60079-11:2012
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:

 **II 2 G Ex ib IIC T4 Gb**
II 2 D Ex ib IIIC T130°C Db

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2025-02-18



This EU-Type Examination Certificate without signature and stamp shall not be valid.
This EU-Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13) Annex

(14) **EU Type Examination Certificate**
TÜV 24 ATEX 9224 X Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Intrinsically Safe Mobile Phone
Type: Ex Mobile 20

15.2 Description / Details of Change

General Description:

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

(16) Test-Report No. GC/Ex9224.00/24

(17) Special Conditions for safe use

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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.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2025-02-18


Dipl.-Ing. Wang Wang



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