



Ontploffingvoorkomingstechnologie  
Explosion Prevention Technologies

# MTEEx Laboratories

Centurion  
Unit 1 Wierda Place  
17 Hilda Ave  
Hennospark  
0157

Cape Town  
Unit 3 Marcian Park  
Cincaut Cres.  
Saxenburg Park  
7580

## INSPECTION AUTHORITY (IA) CERTIFICATE

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

**Issued: 2022/11/30**  
**Expire: 2025/11/30**  
**Revision: 0**  
**Job File: 2026**

Applicant:

**i.safe MOBILE GmbH.**

For validity purposes, the following marking must be added to all equipment covered by this certificate:

**IA Number:** MTEEx-S/22.0583 X  
**Manufacturer:** i.safe MOBILE GmbH  
**Supplier:** i.safe MOBILE GmbH  
**Equipment:** Intrinsically Safe Industrial Tablet  
**Model/Type:** IS930.2  
**Ex Rating:** Ex ic IIC T4 Gc IP64  
Ex ic IIIC T135°C Dc IP64  
**Serial No.:** All units imported between Issued and Expiry dates of this Certificate.


### Standards used:

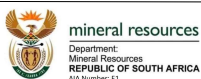
<b>SANS 60079-0: 2019 Ed.6</b> <b>IEC 60079-0: 2017 Ed.7</b>	<b>Explosive atmospheres – Part 0: General requirements.</b>
<b>SANS 60079-11: 2012 Ed.4</b> <b>IEC 60079-11: 2011 Ed.6</b>	<b>Explosive atmospheres – Part 11: Equipment protection by intrinsic safety "i".</b>

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 8(1) of the Occupational Health and Safety Act, provided that the apparatus is used as prescribed in accordance with:

- 1) Any conditions set out in this Certificate.
- 2) This certificate only covers equipment imported between the "Issued" and "Expiry" dates.
- 3) When the supporting Q.A.N. (Quality Assurance Notification) of the equipment manufacturer expires, it is the responsibility of the applicant (as mentioned above) to submit a valid Q.A.N to MTEEx Laboratories.
- 4) The test results presented in this "Ex" Test Report relate only to the item or product testing.
- 5) Note: It is the responsibility of the supplier to ensure that the marking label complies with the ARP 0108.
- 6) This Certificate validates all units imported between Issued and Expiry date

Reviewed by + Signature (ExTL):	A. van Niekerk	
Approved by + Signature (ExCB): (MTEEx Laboratories Technical Signatory)	D. Young	



MTEEx Laboratories is an Accredited Test Laboratory (ATL) in terms of the ARP 0108: "Regulatory Requirements for Explosion-Protected Apparatus"

## 1. OVERVIEW

The IS930.2 is the intrinsically safe and rugged industrial tablet for use in explosion hazardous areas of zone 2 and 22. The IS930.2 provides numerous technologies like 4G (LTE), NFC, GPS, Wi-Fi and Bluetooth LE. Equipped with an Android operating system, amplified loudspeaker and option keys, which allows the allocation of user specific functions or applications.

## 2. REASON FOR REVIEW

Revision 0: ARP 0108 Requirement (Initial IA Certificate).

## 3. DOCUMENTATION PROVIDED

- Ex-Type Examination Certificate (EPS 19 ATEX 1 072 Issue 0).
- IECEx – Type Examination Certificate (IECEx EPS 19.0035X Issue 0).
- IECEx Quality Assessment Report (DE/EPS/QAR12.0003/14).

## 4. ELECTRICAL / SAFETY PARAMETERS

Supply: The tablet IS930.2 has a fixed installed rechargeable Li-Ion battery  $U_o = 3.8 \text{ V}$  ( $U_o \text{ max} = 4.2 \text{ V}$ ).

Interfaces: The opening of the interface covers in explosive atmospheres is not permitted.

Wired data connection and charging is only allowed outside ex-hazardous areas.

The device has an USB interface (Type C), a magnetic charging connector and a 24 pin docking connector (all  $U_m = 5.88 \text{ V}$ ). The i.safe MOBILE docking station DS930.1, DS930.2 or other approved accessory may be used. A list of approved accessories can be found at [www.isafe-mobile.com](http://www.isafe-mobile.com).

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.

## 5. INSTALLATION INSTRUCTIONS

The instructions provided with the product shall be followed in detail to assure safe operation.

## 6. CONDITIONS OF CERTIFICATE (X)

- The battery may be charged outside explosion hazardous areas only.
- The device must be protected against excessive UV light emission and high electrostatic charge processes.
- The permitted ambient temperature range is  $-20 \text{ }^\circ\text{C}$  to  $+60 \text{ }^\circ\text{C}$ .

### MTEEx Laboratories

Note: This document may not be reproduced except in full.

MTEEx Laboratories takes no responsibility for any non-conforming tests / assessments / results which is not in compliance with the relative Standards. By marking the equipment as mentioned in the documentation, the manufacturer takes full responsibility that the equipment has indeed complied with the original type assessment and has been subjected to any routine verification(s) / test(s) respectively.

### End of Certificate