



# Certificate of Compliance

**Certificate:** 70220247

**Master Contract:** 258554

**Project:** 70220247

**Date Issued:** 2020-07-16

**Issued To:** i.Safe MOBILE GmbH  
i Park Tauberfranken 10  
Lauda-Koenigshofen, Baden-Württemberg, 97922  
Germany

**Attention:** Julian Runkel

**Issued by:** *Sorin Tat*  
Sorin Tat



## PRODUCTS

CLASS - C386213 - INFORMATION TECHNOLOGY EQUIPMENT - (CSA 60950-1-07, Second Edition)

CLASS - C386293 - INFORMATION TECHNOLOGY EQUIPMENT - (UL 60950-1 Second Edition) -

Certified to U.S. Stds

**Class I Div 1 Groups A, B, C, D, T4**

**Class II Div 1 Groups E, F, G , T135°C**

**Class III Div 1**

The IS330.1 intrinsically safe and rugged feature phone use in explosion powered by a replaceable Li-Ion battery pack  $U_o = 3.8$  V, 4050mAh (model MBP33A01,  $U_o\_max = 4.2$  V),  $U_m$  (charging contacts and USB interface) = 5 V.

It has a PTT and SOS button and an ISM interface for connection to intrinsically safe and approved headsets, remote speaker microphones and add-ons accessories. The ISM interface connection provides intrinsically safe outputs with entity parameters as specified in document 1029AD04.

The IS330.1 provides technologies like 4G (LTE), NFC, GPS, Bluetooth and Wi-Fi.

A commercially available SD and two SIM cards may be used in the corresponding slot in the hazardous area. All three cards are assumed to contain negligible capacitance & inductance, and have no voltage enhancement.



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Enclosure rating IP64

Temperature code T4 for gas and T135°C for dust.

Ambient: -20°C to +60°C for operating and +5°C to +35°C for charging.

**Conditions of Acceptability:**

-The battery may be charged outside explosion hazardous areas only using approved external adapter model ICP12-050-2000B with output rated 5Vdc, 2A or other external approved AC/DC adapter for use in US and Canada which also complies with the requirements of LPS and has output rated 5Vdc, 2A.

-The battery may be replaced with an identical one outside of the explosion hazardous areas only.

-To ensure the IP64 protection, it has to be ensured that all gaskets are present and functional. There must be no gap between the two halves of housing and between the battery cover and housing.

-The USB interface (type C) located at the left side is for data transmission and it is used in non hazardous areas. It is not permitted to open the USB interface cover in hazardous locations.

- The ISM interface of the device located at the right side can be used within hazardous areas with approved headsets, Remote Speaker Microphones(RSM) and add-ons.

- For the ISM interface connection the intrinsically safe approved accessories must comply with entity parameters according to document 1029AD04 i.e. Headset IS-HS1.1 is approved to be used on ISM interface. If the ISM interface is not used, it must be securely closed by the cover provided for this purpose.

-The device must be protected against excessive UV light emission and high electrostatic processes.

-The device may only be charged at temperatures between +5°C ... +35°C.

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 60079-0:19	Explosive Atmospheres - Part 0: Equipment - General requirements
CAN/CSA-C22.2 No. 60079-11:14	Explosive Atmospheres – Part 11: Equipment protection by intrinsic safety "i"
ANSI/UL 60079-0:19	Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements



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ANSI/UL 60079-11:13	Electrical apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety “i”
UL 913: 2013	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III Div.1 Hazardous(Classified) Locations
CAN/CSA-C22.2 No. 62368-1:14	Audio/Video, Information and Communication Technology Equipment – Part 1:Safety Requirements
ANSI/UL 62368-1 2 <sup>nd</sup> Ed.	Audio/Video, Information and Communication Technology Equipment – Part 1:Safety Requirements

## **MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

In addition to the above markings, the label shall contain:

- CSA Monogram with “C-US” indicator
- Company name and/or Master Contract number
- Date code of manufacture and a serial number
- Hazardous locations designation :  
Class I Div 1 Groups A, B, C, D, T4  
Class II Div 1 Groups E, F, G, T135°C  
Class III Div 1
- Temperature code rating
- Ambient Temperature Range
- The certificate number “CSA20CA70220247”
- The words “Intrinsically Safe” in English and in French
- The following warnings in English and French:
  - Warning: Read and understand the manual before operating!
  - Warning: Do not charge or open in ex-hazardous areas!

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**IS330.1** 

Ex ib IIC T4 Gb  
 Ex ib IIIC T135°C Db IP6X  
 IECEX EPS 19.0036X  
 Ta: -20°C .. +60°C

Class I Div. 1 Groups ABCD T4  
 Class II Div. 1 Groups EFG T135°C  
 Class III Div. 1  
**INTRINSICALLY SAFE**  
**SÉCURITÉ INTRINSÈQUE**  
 CSA20CA70220247

**NFC** 

**CE 2004** 

**WARNING:** Read and understand manual before operating! Do not charge or open in ex-hazardous areas!

**ATTENTION:** Lire attentivement les instructions avant de mettre en marche!  
 Ne jamais charger ni ouvrir l'appareil en zone à danger d'explosion!

**BPIS330.1N** (1ICP7/38/65-2)  
**Model:** MBP33A01  
**P/N:** 3301000201

Li-ion Rechargeable Battery:  
 3.7V / 4050mAh / 14.985Wh  
 Limited charge voltage: 4.2V

S/N: 

**WARNING:** Use only with IS330.1 series!  
 May explode if disposed of in fire! Dispose of properly!  
 See manual for more safety instructions!

Shenzhen 3Sun Electronics Co., Ltd.  
 MADE IN CHINA

**i.safe MOBILE GmbH**  
 Park Tauberfranken 10  
 97922 Lauda-Koeningshofen, Germany

**CE 2004**





## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
70220247	2020-07-16	Original Hazardous Locations certificate of the IS330.1 device based on an IECEx report for the following markings: Class I Div 1 Groups A, B, C, D, T4 , Class II Div 1 Groups E, F, G, Class III Div 1