



# Certificate of Compliance

**Certificate:** 70220251

**Master Contract:** 258554

**Project:** 70220251

**Date Issued:** 2019-12-03

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

**Attention:** Michael Bergmeier

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*

**Issued by:** Sorin Tat  
Sorin Tat



## **PRODUCTS**

CLASS - C225803 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non Incendive Systems - For Hazardous Locations

CLASS - C225883 - PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive Systems-For Hazardous Locations-Certified to U.S. Standards

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

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

**Class III Div 1**

Model IS530.1 Intrinsically safe and multifunctional industrial smartphone, powered by a rechargeable 3.8V, 3.6Ah, 13.68Wh battery pack (BPIS530.1) made by i.safe MOBILE GmbH. Temperature code T4 for gas and T135°C for dust.



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Ambient: -20°C to +60°C for operating and +5°C to +35°C for charging, with entity parameters for the ISM interface connection as specified in document 1029AD04 .Enclosure rating :IP64

### **Conditions of Acceptability:**

- The battery shall only be charged outside the explosion hazardous areas only and using a suitably certified Class 2 power supply with the following output parameters: V = 5VDC I = 2000mA
- The smartphone must be protected against excessive UV light emission and high electrostatic processes.
- The USB interface (type C) located at the bottom 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 IS530.1 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.

### **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
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.



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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, Division 1, Groups A, B, C, and D)
- Temperature code rating
- Ambient Temperature Range
- The certificate number “CSA19CA70220251”
- 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!



## *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>
70220251	2019-12-03	Original Hazardous Locations certificate of the IS530.1 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 and Class III Div 1.