



Certificate of Compliance

Certificate: 70220251

Master Contract: 258554

Project: 80083774

Date Issued: 2021-10-28

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

Attention: Dirk Amann

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.

Optional accessories:

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 IS-TH1xx.1 Trigger Handle Barcode Scanner connected by cable to the IS530.1 smartphone via the ISM interface connection with the connection parameters in accordance with the document 1029AD04. Ambient: - 20°C to +60°C. Ingress protection: IP64

Scan engine variants of IS-TH1xx.1	
IS-TH1SR.1	Standard range Scan Engine Zebra SE 4750SR
IS-TH1MR.1	Mid range Scan Engine Zebra SE 4750MR
IS-TH1ER.1	Extended range Scan Engine Zebra SE 4850ER

Conditions of Acceptability:

- The Barcode Scanner IS-TH1xx.1 must be protected from impacts with high impact energy, against excessive UV light emission and high
- The 13-Pin connector of the IS-TH1xx.1 may only be assembled or disassembled from the ISM interface outside hazardous areas.
- The 2 pin charging contacts of the IS-TH1xx.1 should only be used in non-hazardous locations

APPLICABLE REQUIREMENTS



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CAN/CSA-C22.2 No. 60079-0:19	Explosive Atmospheres - Part 0: Equipment - General requirements
CAN/CSA-C22.2 No. 60079-28:16	Explosive Atmospheres - Part 28: Equipment – Protection of Equipment and transmission systems using optical radiation
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”
ANSI/UL 60079-28:2017	Explosive Atmospheres - Part 28: Equipment – Protection of Equipment and transmission systems using optical radiation
UL 913: 2013	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III Div.1 Hazardous(Classified) Locations

ADDITIONAL APPLICABLE REQUIREMENTS for reference only (Addressed in CSA Ordloc report No. 70220249) :

CAN/CSA-C22.2 No. 62368-1:14	Audio/Video, Information and Communication Technology Equipment – Part 1:Safety Requirements
ANSI/UL 62368-1 2 nd 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.

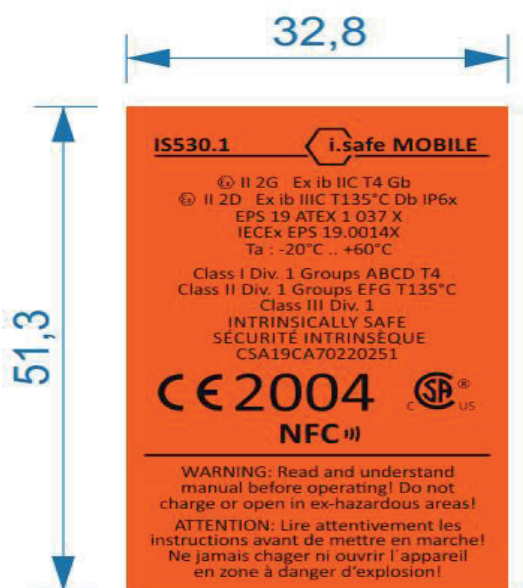
The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada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

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The following marking details appear on the IS530.1 model, on a label made from Polycarbonat, back printed, glued with self adhesive 3M 9471 or 3M 467MP or 3M 9448:

- 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 “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!



Battery Label:



For Optional accessories:

The following marking details appear on the IS-TH1xx.1 model, on a label made from Polycarbonat 0.3mm, back printed, glued with self adhesive 3M 9471 or 3M 467MP or 3M 9448:

- 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 “CSA21CA80083774X”
- The words “Intrinsically Safe” in English and in French
- The following warnings in English and French:
 - o Warning: Read and understand the manual before operating!
 - o 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

Project	Date	Description
80083774	2021-10-28	Update of cCSAus report # 70220251 (last project 80058235) for intrinsically safe Model IS530.1 multifunctional industrial smartphone for addition of an intrinsically safe and optical isolation protected Barcode Scanner accessory with scan engines IS-TH1SR.1, IS-TH1MR.1, and IS-TH1ER.1. This project is based upon IECEx Certificate EPS 20.0075X.
80058235	2020-11-30	FIR follow-up, to update Report 70220251 to address (FC# 259722) FIR dated September 1, 2020
80056647	2020-11-09	Update report 70220251 in order to update two drawings: 1029BN06 Rev.00 and 1029BR06 Rev.00.
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.