



Certificate of Compliance

Certificate: 70220251

Master Contract: 258554

Project: 80138779

Date Issued: September 02, 2022

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:

Szymon Sech



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 / specific conditions of safe use:

- 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.
- Unauthorized repair is not allowed.
- Apparatus is for use in pollution degree 2 or better.
- Only designated charger may be connected to the charging contacts.
- Not suitable for hazardous locations when enclosure is damaged.

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 / specific conditions of safe use:

- The Barcode Scanner IS-TH1xx.1 must be protected from impacts with high impact energy, against excessive UV light emission and high electrostatic processes.
- 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



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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-TC1A.1, thermal camera, attached onto the IS530.1 and connected via screwed ISM interface connector with permanent cable. Connection is in accordance with entity concept in document 1048AD03REV00.
- Unauthorized repair is not allowed.
- Apparatus is for use in pollution degree 2 or better.
- Only designated charger may be connected to the charging contacts.
- Not suitable for hazardous locations when enclosure is damaged.

Conditions of Acceptability / specific conditions of safe use:

- The 13-pin connector of the IS-TC1A.1 may only be assembled or disassembled from the ISM interface outside hazardous areas.
- The device must be protected from impacts with high impact energy, against excessive UV light emission and high electrostatic charge processes.
- The permitted ambient temperature range is -20 °C to +55 °C.
- Unauthorized repair is not allowed.
- Apparatus is for use in pollution degree 2 or better.
- Only designated charger may be connected to the charging contacts.
- Not suitable for hazardous locations when enclosure is damaged.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 60079-0:19	Explosive Atmospheres - Part 0: Equipment - General requirements
CAN/CSA-C22.2 No. 60079-28:16 (R 2021)	Explosive Atmospheres - Part 28: Equipment – Protection of Equipment and transmission systems using optical radiation
CSA CAN/CSA-C22.2 NO. 60079-11:14 (R 2018)	Explosive Atmospheres – Part 11: Equipment protection by intrinsic safety "i"
ANSI/UL 60079-28: 2017 reprint dated October 15, 2021	Explosive Atmospheres - Part 28: Equipment – Protection of Equipment and transmission systems using optical radiation
UL 913: 2013 <i>Eighth Edition; Reprint with Revisions Through and Including May 10, 2022</i>	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III Div.1 Hazardous(Classified) Locations



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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.

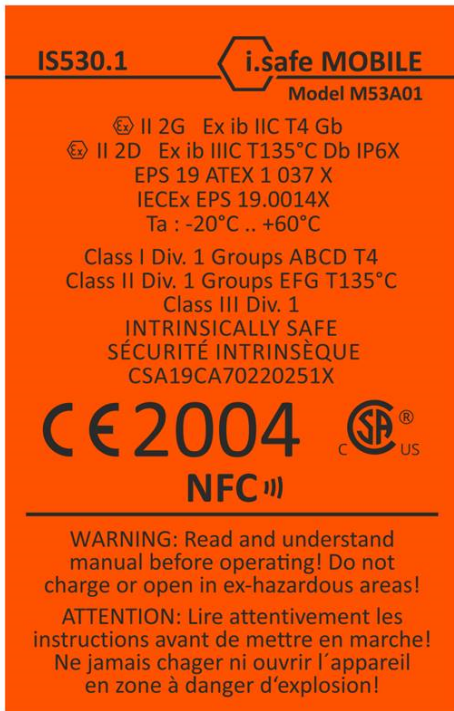
The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada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

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:

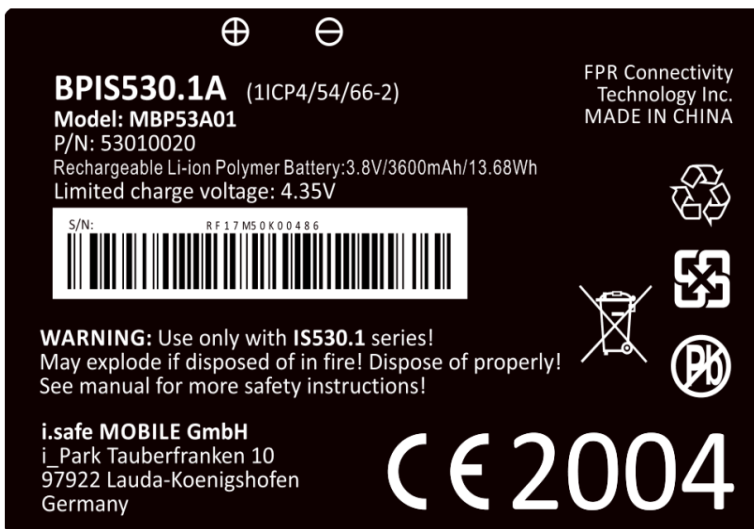
- CSA Monogram with “C-US” indicator
- Company name and/or Master Contract number
- Apparatus type or model designation
- Date code of manufacture and a serial number
- Hazardous locations designation :
Class I Div 1 Groups A, B, C, D, T4
Class II Div 1 Groups E, F, G , T135 °C
Class III Div 1
- Temperature code rating
- Ambient Temperature Range with symbol “Ta” or “Tamb”
- The certificate number “CSA19CA70220251X”
- 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!

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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:



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- CSA Monogram with “C-US” indicator
- Company name and/or Master Contract number
- Apparatus type or model designation
- 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 with symbol “Ta” or “Tamb”
- 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!



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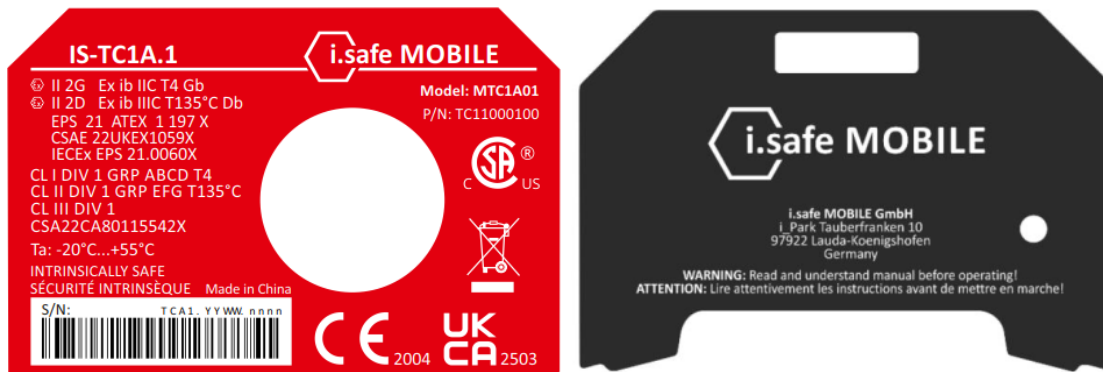


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The following marking details appear on the IS-TC1A.1 model. The markings are provided on a CSA Accepted (Class 7923.01) <or UL Recognized to Canadian requirements (PGJI8)> and UL Recognized (PGJI2) <or CSA Accepted to US Standards (Class 7923.81)> adhesive nameplate, used with the printer and ribbon specified in the Listing, and is suitable for indoor use on the enclosure material, at a maximum service temperature or higher. Nameplate is affixed to the camera front edge protected surface:

- CSA Monogram with “C-US” indicator
- Company name and/or Master Contract number
- Apparatus type or model designation
- 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
- Ambient Temperature Range with symbol “Ta” or “Tamb”
- The certificate number “CSA22CA80115542X”
- The words “INTRINSICALLY SAFE” and “SECURITE INTRINSEQUE”, or “IS” or “I.S.”
- The following warnings in English and French:
 - WARNING: READ AND UNDERSTAND THE MANUAL BEFORE OPERATING, and French language translation



Notes:

Products certified under Class C225803, C225883 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

