



Certificate of Compliance

Certificate: 70170800

Master Contract: 258554 (258554)

Project: 70188651

Date Issued: 2018-06-22

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.



Albert Jansen
Issued by: Albert Jansen

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 Division 1, Groups A, B, C, D

Class II Division 1, Groups E, F, G

Class III Division 1

The HMT-1Z1 is an intrinsically safe, rugged industrial head mounted tablet, powered by a rechargeable 3.6V 3480mAh battery pack (B1100S). Temperature code T4. Ambient: -20°C to 60°C operational, 5°C to 40°C charging.



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Conditions of Acceptability:

- The battery shall only be charged outside hazardous areas, at an ambient between 5°C and 40°C.
- The battery shall only be charged using a suitably certified Class 2 power supply with the following output parameters: $V = 5V_{DC}$ $I = 2000mA$
- The headphone port is the only port that can be used in hazardous locations, in conjunction with the approved headphone model H1100G, or a suitably certified headphone with the following entity parameters: $V_O = 4.2V_{DC}$ $I_O = 249mA$

Gas Groups A, B, C, D

L_O (mH)	0.5	0.2	0.1	0.05	0.02	0.01	0.005	0.002	0.001
C_O (µF)	4.6	6.8	8.9	12	17	25	40	130	420

Gas Groups C, D

L_O (mH)	2	1	0.5	0.2	0.1	0.05	0.02	0.01	0.005
C_O (µF)	19	25	32	45	59	83	150	310	1000

By using gas group C, D parameters for the headphone, the gas group of the combination (HMT-1Z1 with headphone) is reduced to gas groups C, D.

- The device must be protected against: Impacts with high impact energy, excessive UV light emission, and high electrostatic charge processes.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 60950-1-07	Information technology Equipment – Safety – Part1: General Requirements
CAN/CSA-C22.2 No. 60079-0:15	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"
UL 60950-1 Edition 2	Information technology Equipment – Safety – Part1: General Requirements
ANSI/UL 60079-0:13	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"



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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:

- The appropriate Hazardous Locations markings as shown below:
 - Class I Div. 1 Groups A, B, C, D
 - Class II Div. 1 Groups E, F, G
 - Class III Div. 1
- The words “Intrinsically Safe” in English and in French
- The appropriate temperature code: T4
- The ambient temperature range: -20°C to 60°C
- The name of the manufacturer and their registered trademark
- A serial number
- The certificate number “CSA18CA70170800”
- 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

Project	Date	Description
70188651	2018-06-22	Update certificate 70170800 to incorporate the following changes: <ol style="list-style-type: none">1. Increase charging temperature to 35°C to 40°C.2. Add entity parameters for headphones other than model H1100G in the Conditions of Acceptability.3. Remove Condition of Acceptability stating that headphone port covers must be in place in a dust environment.
70170800	2018-06-07	Original CSA C-US certification of the HMT-1Z1 head mounted tablet for the following markings: Class I Div. 1 Groups A, B, C, D Class II Div. 1 Groups E, F, G Class III Div. 1. Certification based on IECEx certificate IECEx EPS 17.0004X and accompanying ExTR DE/EP/ExTR17.0003/00.