



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx EPS 24.0004X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: **2024-09-24**

Applicant: **i.safe MOBILE GmbH**
i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
Germany

Equipment: **IS-RSM3x.1 Remote Speaker Microphone**

Optional accessory:

Type of Protection: **Intrinsic safety "i"**

Marking: **Ex ib IIC T4 Gb**
Ex ib IIIC T135°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **i.safe MOBILE GmbH**
i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
Germany

Manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2023 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements
other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/EPS/ExTR24.0002/00](#)

Quality Assessment Report:

[DE/EPS/QAR12.0003/15](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The IS-RSM3x.1 is an intrinsically safe, active Remote Speaker Microphone for robust use in hazardous areas Zone 1 and 21.

While the IS-RSM3A.1 can be connected by cable via the 16-pin ISM interface of a mobile device, it is possible to connect the IS-RSM3B.1 via Bluetooth to Bluetooth-enabled mobile devices.

It is equipped with a powerful loudspeaker and two microphones for active noisecancelling. Programmable keys extend the range of functions and make the IS-RSM3x.1 the perfect addition for PTToC (Push-to-talk over Cellular) and Lone Worker Protection applications.

The IS-RSM3x.1 is powered by a replaceable battery with 2200 mAh capacity.

Electrical data:

Power supply: Replaceable Li-Ion polymer battery

Interfaces:

The device has two charging contacts for charging outside hazardous areas using an approved charging adapter. The contacts are intrinsically safe for gas and dust.

The IS-RSM3A.1 device also has a wired 16-pin ISM connector. The connection to approved mobile devices may only be established outside hazardous areas.

The 8-pin circular ISM interface is intrinsically safe for gas and dust and enables the connection of approved headsets inside hazardous areas, making the device multifunctional equipment for industrial applications. The i.safe MOBILE headsets IS-HS4A.1, IS-HDHS3x.1, other headsets approved by i.safe MOBILE or approved intrinsically safe accessories that comply with the connection parameters of the ISM interface in accordance with document 1063AD04 may be used with the 8-pin circular ISM interface.

The headset interface does not have to be closed inside hazardous areas. The connection between the IS-RSM3x.1 and approved headsets can be established inside hazardous areas.

Only the i.safe PROTECTOR 2.0 with the corresponding desktop charger, other accessories approved by i.safe MOBILE or other accessories that ensure $U_m = 5.88$ V may be used for charging.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The battery may only be charged or replaced 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.