



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 21.0029X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2021-05-20
Applicant: **i.safe MOBILE GmbH**
i_Park Tauberfanken 10
97922 Lauda-Koenigshofen
Germany
Equipment: **IS-TH1xx.M1 intrinsically safe, rugged scan trigger handle**
Optional accessory:
Type of Protection: **Intrinsic safety "i"**
Marking: Ex ia op is I Ma
Ex ib op is IIC T4 Gb
Ex ib op is IIIC T135°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Holger Schaffer

Position:

Certification Manager

Signature:
(for printed version)

Date:

2021-05-20



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-Königshofen
Germany

Additional
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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

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/ExTR21.0027/00](#)

Quality Assessment Report:

[DE/EPS/QAR12.0003/11](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The IS-TH1xx.M1 has been designed for the use in mines susceptible to firedamp. In combination with mobile communication devices, the multifunctional set enables quick and easy scanning of any 1D or 2D barcodes at close range or at distances of more than 15 meters.

Electrical Data:

The supply and interface connection of the IS-TH1xx.M1 is carried out via the ISM interface of the compatible communication devices. The IS-TH1xx.M1 is certified in combination with the IS530.M1 or other mobile devices that comply with the connection parameters in accordance with document 1040AD04.

Scan engine variants of IS-TH1xx.M1	
IS-TH1SR.M1	Standard range Scan Engine Zebra SE4750SR
IS-TH1MR.M1	Mid range Scan Engine Zebra SE4750MR
IS-TH1ER.M1	Extended range Scan Engine Zebra SE4850ER

SPECIFIC CONDITIONS OF USE: YES as shown below:

The 13-Pin connector of the IS-TH1xx.M1 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 device shall be protected from the exposure of oils, greases and hydraulic fluids.

The permitted ambient temperature range is -20 °C to +60 °C.