

INSPECTION AUTHORITY (IA) CERTIFICATE

i.safe MOBILE GmbH.
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Germany

Issued: 2025/07/31
Expire: 2028/07/31
Revision: 0
Job File: 3110

Applicant:

I.SAFE MOBILE MOBILE GmbH.

For validity purposes, the following marking must be added to all equipment covered by this certificate:

IA Number: MTEx-S/25.0417 X
Manufacturer: i.safe MOBILE GmbH
Supplier: i.safe MOBILE GmbH
Equipment: Intrinsically Safe Mobile Scanner
Model/Type: IS-TH2ER.1
Ex Rating: Ex ib op is IIC T4 Gb
Ex ib op is IIIC T135°C Db

Serial No: All units imported between the issue and expiry dates of this Certificate.

Standards used:

SANS 60079-0: 2019 Ed.6 IEC 60079-0: 2017 Ed.7	Explosive atmospheres – Part 0: General requirements.
SANS 60079-11: 2024 Ed.5 IEC 60079-11: 2023 Ed.7	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i".
SANS 60079-28: 2016 Ed.1 IEC 60079-28: 2015 Ed.2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

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

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(3) of the Occupational Health and Safety Act, provided that the apparatus is used as prescribed in accordance with the following **Notes**:

- 1) Compliance with any conditions set out in this Certificate.
- 2) This certificate only covers equipment imported between the "Issued" and "Expiry" dates of this certificate.
- 3) When the supporting Q.A.N. (Quality Assurance Notification) of the equipment manufacturer expires, it is the responsibility of the applicant (as mentioned above) to submit a valid Q.A.N to MTEx Laboratories.
- 4) It is the responsibility of the supplier to ensure that the marking label complies with the requirements of the relevant regulator.
- 5) Once issued, the certificate remains valid for the serviceable lifecycle of the device. The state of the device is validated by visual or close inspections, by the end user, at intervals not exceeding two years.

Reviewed By + Signature (TL):	A. van Niekerk	
Approved By + Signature (CB): (MTEx Laboratories Technical Signatory)	D. Young	

1. OVERVIEW

The intrinsically safe and rugged mobile scanner IS-TH2ER.1 has been designed for the use in explosion hazardous areas of zone 1 and 21. 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 12 meters. The green laser is highly visible.

2. REASON FOR REVIEW

Revision 0: ARP 0108 requirement (Initial IA Certificate).

3. DOCUMENTATION PROVIDED

- IECEx Certificate of Conformity (IECEx EPS 25.0013X, Issue 0).
- IECEx Quality Assessment Report (DE/EPS/QAR12.0003/17).

4. ELECTRICAL / SAFETY PARAMETERS

Electrical data:

The supply and interface connection of the IS-TH2ER.1 is carried out via the ISM interface of the compatible communication devices. The IS- TH2ER.1 is certified in combination with the IS540.1 or other mobile devices that comply with the connection parameters in accordance with document 1071AD04.

5. INSTALLATION INSTRUCTIONS

The instructions provided with the product shall be followed in detail to assure safe operation.

6. CONDITIONS OF CERTIFICATE (X)

- The 16-pin connector of the IS-TH2ER.1 may only be installed or removed from the ISM interface outside of potentially explosive 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.

MTEEx Laboratories

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MTEEx Laboratories takes no responsibility for any non-conforming tests / assessments / results which is not in compliance with the relative Standards. By marking the equipment as mentioned in the documentation, the manufacturer takes full responsibility that the equipment has indeed complied with the original type assessment and has been subjected to any routine verification(s) / test(s) respectively.

End of Report
