

Certificate of Conformity

Ex EQUIPMENT

Certificate No.: ANZEx 20.2002X	Current Issue: 0	Date of Issue: 31 August 2020
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Applicant: i.safe MOBILE GmbH
i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
GERMANY

Equipment: IS530.M1 Intrinsically safe and multifunctional industrial smartphone

Type of Explosion Protection: Intrinsic Safety "i"

Explosion Protection Marking: Ex ia I Ma
-20 °C ≤ Ta ≤ +60 °C

*This certificate is granted subject to the conditions as set out in
Standards Australia/Standards New Zealand Miscellaneous Publication **MP87.1***

Signed for and on behalf of issuing body

Name & Position


G. Barnier
Principal Engineer - Certification

This certificate is not transferable and remains the property of the issuing body.

The status of this certificate can be confirmed through the database located at www.anzex.com.au

Certificate issued by:

Safety in Mines, Testing and Research Station
2 Robert Smith Street, REDBANK QLD 4301

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Certificate No.: **ANZEx 20.2002X**

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

**Additional
Manufacturing
Location(s):** None

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 Ed 7.0 Explosive atmospheres Part 0: Equipment—General requirements

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

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

TEST & ASSESSMENT REPORTS:

The equipment listed has successfully met the examination and test requirements as recorded in:

Test Report No. & Issuing Body: DE/EPS/ExTR19.0059/00, DE/EPS/ExTR19.0059/01; Bureau Veritas

Quality Assessment Report No.
& Issuing Body: DE/EPS/QAR12.0003; Bureau Veritas

File Reference: 20/0021

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Schedule

Equipment Description:

The intrinsically safe, multifunctional and rugged industrial smartphone IS530.M1 has been designed for use in mines susceptible to firedamp. It provides numerous technologies like 4G (LTE), NFC, GPS, Wi-Fi and Bluetooth LE. The IS530.M1 is equipped with an Android operating system, large internal memory, amplified loudspeaker, replaceable battery pack and functional 13-pin ISM interface.

Electrical Ratings/Parameters:

Battery charging: $U_m = 5.88 \text{ V}$

SD Card Port entity parameters:

U_o (V)	I_o (A)	P_o (mW)	C_o (μF)	L_i (μH)
4.35	4.89	1.081	97	2

Specific Conditions of Use associated with this issue:

The smartphone shall only be used with the type BPIS530.M1 battery pack.

The battery shall be charged in a safe area only.

No connections are allowed in an explosive atmosphere.

The interface covers shall not be opened in an explosive atmosphere.

The device shall be protected from impacts with high impact energy, against permanent UV light emission and high electrostatic charge processes.

The device shall be protected from the exposure of oil, greases and hydraulic fluids.

Conditions of Certification associated with this issue:

Nil

Additional Information associated with this issue:

The following accessories may be used:

- Headset Type IS-HS1.1
- SD cards type IS-SD164.1 and IS-SD1128.1

No accessories are included in this certification.