

(1) **EU - Type Examination Certificate**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU

(3) EU - Type Examination Certificate Number

EPS 16 ATEX 1 119 X

Revision 0

(4) Equipment: IS-MP.1 RFID and NFC mobile reader

(5) Manufacturer: i.safe MOBILE GmbH

(6) Address: i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
Germany

(7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 16TH0285.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013

EN 60079-11:2012

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.

(11) This EU - Type Examination Certificate relates only to the design and examination of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:

 II 2G Ex ib IIC T4 Gb

 II 2D Ex ib IIIC T135°C Db IP6X

Certification department of explosion protection

Nuremberg, 2017-03-20



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(13)

Annex

(14) **EU - Type Examination Certificate EPS 16 ATEX 1 119 X**

Revision 0

(15) Description of equipment:

The IS-MP.1 is an intrinsically safe and rugged RFID + NFC mobile reader for the use in hazardous areas of zone 1 and 21.

If RFID/NFC TAGs are mounted very close to each other or placed in the corner the small reading tip of the IS-MP.1 makes it possible to read the tags, so every equipment can be easily identified. Inside hazardous areas the information can be read directly at the 4 row OLED-display and transferred by Bluetooth. Outside hazardous areas the storage can be read by USB.

The IS-MP.1 is reading from passive TAGs with different frequency combinations.

- LF 125 kHz
- LF 134.2 kHz FDX-B + HDX
- HF and NFC 13.56 MHz
- UHF 868 MHz

Different frequency combinations are possible.

Electrical data:

Supply: The IS-MP.1 has a fixed installed rechargeable battery.

Interface: USB interface for charging battery and data transfer.
Data connection and charging is only allowed outside ex-hazardous areas and only with the i.safe MOBILE i.safe PROTECTOR USB cable or other accessories specified by i.safe MOBILE GmbH. Opening the interface covers in explosive atmospheres is not permitted.

(16) Reference number: 16TH0285

(17) Special conditions for safe use:

The battery pack may be charged outside ex-hazardous areas only.

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 +60 °C.

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Nuremberg, 2017-03-20

H. Schaffer

