

EU - Type Examination Certificate

- (1)
- (2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**
- (3) EU - Type Examination Certificate Number

EPS 22 ATEX 1 196 X


Revision 0

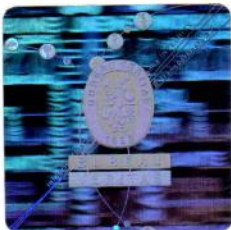
- (4) Equipment: IS-SW1.1 intrinsically safe Smartwatch
- (5) Manufacturer: i.safe MOBILE GmbH
- (6) Address: i_Park Tauberfanken 10
97922 Lauda-Koenigshofen
Germany
- (7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein 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 22TH0380.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018

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 construction 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



Certification department of explosion protection

Tuerkheim, 2022-09-29

Ulrich Feike



Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.

(13)

Annex

(14) **EU - Type Examination Certificate EPS 22 ATEX 1 196 X**

Revision 0

(15) Description of equipment:

The industrial smartwatch IS-SW1.1 for use in zones 1/21 hazardous areas was developed to capture and display messages, hazard alarms and measured values. Paired with i.safe MOBILE devices, it also functions as a supplementary "hands-free" display and can be used in a highly flexible manner.

Electrical data (power supply): permanently installed Li-Ion Polymer Battery

Interfaces:

The device has an USB interface for charging and data transmission outside hazardous areas. The contacts are intrinsically safe for gas and dust.

For charging and wired data transmission only i.safe MOBILE approved accessories may be used. This ensures $U_m = 5.88 \text{ V}$.

(16) Reference number: 22TH0380

(17) Special conditions for safe use:

The battery may be charged outside explosion 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 $-10 \text{ }^\circ\text{C}$ to $+55 \text{ }^\circ\text{C}$.

(18) Essential health and safety requirements:

Met by compliance with standards.

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Tuerkheim, 2022-09-29

