

(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 23 ATEX 1 161 X**

**Revision 0**

(4) Equipment: IS-VS1A.1 intrinsically safe, robust inspection system for leakage detection

(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 23TH0347.

(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, 2023-11-28

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 23 ATEX 1 161 X**

Revision 0

(15) Description of equipment:

The IS-VS1A.1 was developed for use in hazardous areas of zones 1 and 21. In combination with mobile communication devices, the inspection system enables valve leaks to be recorded and displayed quickly and easily.

Electrical data:

The power supply and the connection of the data interface of the IS-VS1A.1 takes place via the ISM interface of the compatible communication devices. The IS-VS1A.1 is approved in combination with the IS540.1 or other mobile devices that correspond to the connection parameters according to document 1070AD04.

Other approved accessories:

- Sensor IS-SU150F1.1
- Sensor IS-SU150F2.1
- Sensor IS-SU030F2.1
- Sensor cable IS-SC120BB1.1
- Waveguide IS-WGxx.1
- Waveguide Lock IS-WGLF1.1

(16) Reference number: 23TH0347

(17) Special conditions for safe use:

The 16-pin connector of the IS-VS1A.1 may only be installed or removed from the ISM interface outside of potentially explosive areas.

The device must be protected against high mechanical hazards, strong UV radiation and electrostatically charging processes.

Inside explosion hazardous areas Sensors, Waveguide and Waveguide Lock must always be earthed. This could be achieved by the user or other from i.safe MOBILE GmbH approved accessory. Also placing on an earthed conductive surface is possible.

The permissible ambient temperature range is -20 °C to +55 °C.

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Tuerkheim, 2023-11-28

