

Translation

# Type Examination Certificate Supplement 1

Change to Directive 2014/34/EU

2 Equipment intended for use in potentially explosive atmospheres  
Directive 2014/34/EU

3 Type Examination Certificate Number: **BVS 11 ATEX E 130 X**

4 Product: **Flow sensor type SS 20.500 Ex**

5 Manufacturer: **SCHMIDT Technology GmbH**

6 Address: **Feldbergstraße 1, 78112 St. Georgen/Schwarzwald, Germany**

7 This supplementary certificate extends Type Examination Certificate No. BVS 11 ATEX E 130 X to apply to products designed and constructed in accordance with the specification set out in the appendix of the said certificate but having any variations specified in the appendix attached to this certificate and the documents referred to therein.

8 DEKRA Testing and Certification GmbH certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
The examination and test results are recorded in the confidential Report No. BVS PP 11.2193 EU/N1.


9 The Essential Health and Safety Requirements are assured in consideration of:

<b>EN IEC 60079-0:2018</b>	<b>General requirements</b>
<b>EN IEC 60079-7:2015+A1:2018</b>	<b>Increased Safety “e”</b>
<b>EN 60079-11:2012</b>	<b>Intrinsic Safety “i”</b>
<b>EN 60079-31:2014</b>	<b>Protection by Enclosure “t”</b>

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

11 This Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

 II 3G Ex ec ic IIC T4 Gc  
II 3D Ex tc ic IIIC T135°C Dc

DEKRA Testing and Certification GmbH  
Bochum, 2014-04-14

Signed: Jörg-Timm Kilisch

Managing Director



Page 1 of 3 of BVS 11 ATEX E 130 X / N1 – Jobnumber 341440400  
This certificate may only be reproduced in its entirety and without any change.

DEKRA Testing and Certification GmbH, Handwerkstr. 15, 70565 Stuttgart, Germany  
Certification body: Dinnendahlstr. 9, 44809 Bochum, Germany  
Phone +49.234.3696-400, Fax +49.234.3696-401, e-mail DTC-Certification-body@dekra.com

13 **Appendix**  
 14 **Type Examination Certificate**

**BVS 11 ATEX E 130 X  
 Supplement 1**

15 **Product description**

15.1 **Subject and type**

Flow sensor type SS 20.500 Ex

15.2 **Description**

With this supplement the certificate is changed to Directive 2014/34/EU.  
 (Annotation: In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.)

**Description of the apparatus:**

The flow sensor type SS 20.500 Ex is used to measure the flow velocity and the temperature of air and gases; the sensor is intended for use in Zones 2 and 22.

The flow sensor consists of a main-enclosure and a pipe-shaped measuring probe. The flow sensor is available either with its probe directly fixed to the main-enclosure (compact variant) or the measuring probe is connected by an unremovable cable (remote variant).

The main-enclosure is manufactured in type of protection Increased Safety "ec" and Protection by Enclosures "tc". The measuring probe (incl. connection cable for the remote variant) is made in type of protection Intrinsic Safety "ic".

**Reasons for this supplement:**

- Change to Directive 2014/34/EU
- Update to current standard versions
- Addition of type of protection "ic"
- Update of marking
- The maximum surface temperature for Group III is changed to T135°C

15.3 **Parameters (unchanged)**

Thermal data:

Medium temperature (measuring probe)	-40 °C ... +85 °C
Ambient temperature (main-enclosure)	-20 °C ... +70 °C

Electrical data:

Power supply		
Rated voltage	DC /AC	24 V ± 20 %
Rated current		< 170 mA
Output of measuring signal		0 ... 10 V / 4 ... 20 mA

Degree of protection: IP 64

15.3.2

16 **Report Number**

BVS PP 11.2193 EU / N1, as of 29.03.2021

17 **Special Conditions for Use**

For use in gas-explosive areas:

The main-enclosure may only be used in areas with at least pollution degree 2 as defined in IEC 60664-1.

This does not affect the pipe-shaped measuring probe (including measuring cable for the remote variant).

18 **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

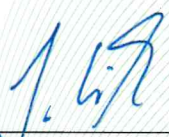
19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

---

We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

DEKRA Testing and Certification GmbH  
Bochum, 2021-04-14  
BVS-Pz/Su/MGR A20190761

  
\_\_\_\_\_  
Managing Director