

Translation

EU-Type Examination Certificate Supplement 1

Change to Directive 2014/34/EU

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

EU-Type Examination Certificate Number: **BVS 15 ATEX E 024**

Product: **Vibration velocity sensor type VS-01...**

Manufacturer: **Brüel & Kjaer Vibro GmbH**

Address: **Leydheckerstraße 10, 64293 Darmstadt, Germany**

This supplementary certificate extends EC-Type Examination Certificate No. BVS 15 ATEX E 024 to apply to products designed and constructed in accordance with the specification set out in the appendix of the said certificate but having any acceptable variations specified in the appendix to this certificate and the documents referred to therein.

DEKRA EXAM GmbH, Notified Body number 0158, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 15.2036 EU.


Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 + A11:2013	General requirements
EN 60079-1:2014	Flameproof enclosure "d"
EN 60079-31:2014	Protection by Enclosure "t"

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.

This EU-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.

The marking of the product shall include the following:

 **II 2G Ex db IIC T6 Gb**
II 2D Ex tb IIIC T85°C Db

DEKRA EXAM GmbH
Bochum, 2017-04-27

Signed: Jörg Koch

Certifier

Signed: Dr Michael Wittler

Approver

13 **Appendix**

14 **EU-Type Examination Certificate**

**BVS 15 ATEX E 024
Supplement 1**

15 **Product description**

15.1 **Subject and type**

Vibration velocity sensor type VS-01...

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.)

Reason for the supplement:

Update to the current standards, Change to Directive 2014/34/EU

Description of Product:

The Vibration velocity sensor uses a permanent magnet and a spring-borne coil to transform mechanical vibration into an electric signal.
The cup-shaped metal enclosure of the vibration velocity sensor is sealed by a compound. The enclosure is equipped with an integrated cable gland and a permanently connected cable.

Listing of all components used referring to older standards:

None

15.3 **Parameters**

Output voltage	max.	63	V rms
Nominal current	max.	13	mA rms
Power dissipation	max.	1	W

16 **Report Number**

BVS PP 15.2036 EU, as of 2017-04-27

17 **Special Conditions for Use**

None

18 **Essential Health and Safety Requirements**

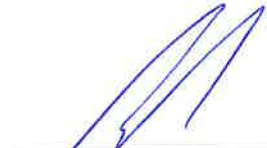
The Essential Health and Safety Requirements are covered by the standards listed under item 9.

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 EXAM GmbH
Bochum, dated 2017-04-27
BVS-Hor/Ru/Nu A 20170301



Certifier



Approver