

## 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 16 ATEX 1 041

Revision 1


- (4) Equipment: VIB 6.2yy zz XD Mini Sensor
- (5) Manufacturer: PRÜFTECHNIK Dieter Busch GmbH
- (6) Address: Oskar-Messter-Str. 19-21  
85737 Ismaning  
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 15TH0325.
- (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



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(13)

## Annex

(14) EU - Type Examination Certificate EPS 16 ATEX 1 041

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(15) Description of equipment:

The Mini Sensors VIB 6.2yy zz XD are used to measure vibration velocities. The signal acquisition is realized with two piezoelectric-elements, which are coupled via masses. An application example is the predictive maintenance of rotating machines. The sensor is screwed into the monitored machine. The metallic surface of the housing has electrical contact with the machine.

If the delivered protective cap VIB 6.205 is not used, the sensor shall be installed so that an impact on it can be excluded.

Electrical data:

$U_i = 30 \text{ V}$ ,  $P_i = 300 \text{ mW}$ ,  $C_i = 5 \text{ nF}$ ,  $L_i = 0 \text{ }\mu\text{H}$

Maximum ambient temperature range:  $-40^\circ\text{C} \leq T_a \leq +80^\circ\text{C}$

(16) Reference number: 15TH0325

(17) Special conditions for safe use:

None.

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Hamburg, 2019-11-19



H. Schaffer