

(1) **Certificate of Conformity**

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 2014/34/EU**

(3) Certificate Number:

EPS 19 ATEX 1 119 X

Revision 2

(4) Equipment: VIB 5.200...EX... VIBSCANNER 2 EX...

(5) Manufacturer: Fluke Corporation

(6) Address: 6920 Seaway Blvd
Everett, WA 98203
United States of America

(7) This equipment and any acceptable variation thereto are specified in the schedule to this Certificate of Conformity and the documents therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment 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 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 18TH0182.

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

EN IEC 60079-0:2018

EN IEC 60079-7:2015/A1:2018


EN 60079-11:2012


EN 60079-31:2014

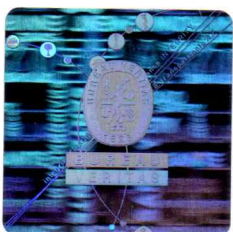
(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subjected to special conditions for safe use specified in the annex to this certificate.

(11) This Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:

 II 3G Ex ec [ic] IIC T4 Gc

 II 3D Ex tc [ic] IIIB T135°C Dc



Certification department of explosion protection

Hamburg, 2022-03-22

Ulrich Feike

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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. EPS 19 ATEX 1 119 X, Revision 2.

(13) **Annex**

(14) **Certificate of Conformity EPS 19 ATEX 1 119 X**

Revision 2

(15) Description of Equipment:

The 3-channel handheld device measures vibration signals from rotating machinery using sensors connected to its analogue interface. The measured values are filtered, analyzed, and then transmitted via USB, Wi-Fi or Bluetooth to a database. An integrated LED stroboscope allows RPM measurement, and the NFC reader is used to identify measurement positions.

Ambient temperature range: $0\text{ }^{\circ}\text{C} \leq T_a \leq +50\text{ }^{\circ}\text{C}$

Electrical data:

Rechargeable Lithium-Ion Battery 7.3 V / 50 Wh

Intrinsically safe interface parameters:

$U_o = -5.2\text{ V} \dots +22.6\text{ V}$

$I_o = -8.6\text{ mA} \dots +106\text{ mA}$

$P_o = 485\text{ mW}$

Group IIC			
L_o	3.97 mH	1.98 mH	39.7 μH
C_o	4.35 nF	217 nF	435 nF

$U_i = \pm 22\text{ V}$

$C_i = 705\text{ pF}$

$L_i = 22.4\text{ } \mu\text{H}$

(16) Reference number: 18TH0182

(17) Special conditions for safe use:

The equipment shall only be used in an area of not more than pollution degree 2 as defined in IEC 60664-1.

The battery may be charged outside explosion hazardous areas only ($U_m = 25\text{ V}$).

The USB-Connector shall only be used in a non-hazardous area ($U_m = 6\text{ V}$).

The device must be protected from impacts with high impact energy and against permanent UV light emission.

The safety instructions shall be observed.

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Hamburg, 2022-03-22



Ulrich Feike