



Certificate of Conformity

- (1)
- (2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **UKSI 2016:1107 (as amended)**

- (3) Certificate Number

EPS 22 UKEX 1 238 X

Revision 0

- (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 annex to this Certificate of Conformity and the documentation therein referred to.

- (8) Bureau Veritas Consumer Products Services United Kingdom Limited 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 Schedule 1 of UKSI 2016:1107 (as amended). 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 subject 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 UKSI 2016:1107 (as amended). Further requirements 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 3G Ex ec [ic] IIC T4 Gc

II 3D Ex tc [ic] IIIB T135°C Dc



Certification department of explosion protection

Warrington, 21-10-2022

N. Wilkinson
Natalie Wilkinson

Natalie Wilkinson

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 United Kingdom Limited. EPS 22 UKEX 1 238 X Revision 0.

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Registered in England & Wales
Company Number: 00852439



(13)

Annex

(14) **Certificate of Conformity EPS 22 UKEX 1 238 X**

Revision 0

(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.

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