



(1) **UK - Type Examination Certificate**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – **UKSI 2016:1107 (as amended)**

(3) UK - Type Examination Certificate Number

EPS 22 UKEX 1 237

Revision 0

(4) Equipment: VIB 3.550 Limiting Device

(5) Manufacturer: Fluke Corporation

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

(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 United Kingdom Limited, approved body No. 8507 in accordance with UKSI 2016:1107 (as amended) Part 4, 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 Schedule 1 of UKSI 2016:1107 (as amended). The examination and test results are recorded in the confidential documentation under the reference number 15TH0326.

(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 UK - Type Examination Certificate relates only to the design and 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 (2)G [Ex ib Gb] IIC



Certification department of explosion protection

Warrington, 21-10-2022

N. 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 1 237, Revision 0.



(13)

Annex

(14) **UK - Type Examination Certificate EPS 22 UKEX 1 237**

Revision 0

(15) Description of equipment:

The limiting device VIB 3.550 is used as a current and voltage limiting interface between a measurement system, which is installed outside the hazardous area and intrinsically safe sensors that are installed on machines in hazardous areas.

The earth connection point has to be connected with the potential equalization system of the hazardous explosive area by using of an appropriate earthing connection.

Maximum ambient temperature range: $-10\text{ °C} \leq T_a \leq +50\text{ °C}$

Electrical data:

$U_m = 250\text{ V}$, $U_o = 13\text{ V}$, $I_o = 18\text{ mA}$, $P_o = 240\text{ mW}$

L_o [mH]	1.00	0.50	0.20	0.10	0.05	0.02
C_o [µF]	0.50	0.59	0.75	0.92	1.00	1.00

(16) Reference number: 15TH0326

(17) Special conditions for safe use:

None.

(18) Essential health and safety requirements:

Met by compliance with standards.

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