



(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 1 234

Revision 0

(4) Equipment: ALI 3.910..EX..-RS5 Laser EX

(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 15TH0166.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018


EN 60079-11:2012

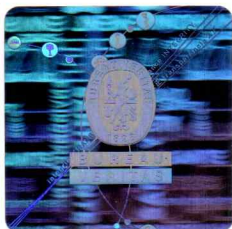
EN 60079-28:2015

(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 2G Ex ib op is IIC T4 Gb



Certification department of explosion protection

Warrington, 28-10-2022

N. Wilkinson
Natalie Wilkinson



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(13)

Annex

(14) **UK - Type Examination Certificate EPS 22 UKEX 1 234**

Revision 0

(15) Description of equipment:

The ALI 3.910..EX.. is a battery-powered part of a laser-optical alignment system provided by Fluke Corporation. It generates a laser beam with an optical power < 1 mW. The optical power of the laser diode is limited to 35 mW (according to EN 60079-28) by two independent electronic current-limitation circuits.

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

Degree of protection provided by enclosure: \geq IP20

Electrical data:

Supply: 2 Alkaline-Batteries connected in series, type Zn/MnO₂, 2 x 1.5 V

Optical output power laser: < 1 mW

Optical output power laser (failure): < 35 mW

(16) Reference number: 15TH0166

(17) Special conditions for safe use:

None.

(18) Essential health and safety requirements:

Met by compliance with standards.

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Warrington, 28-10-2022



Natalie Wilkinson

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