

1 EU - Type Examination Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 18 ATEX 0428 X Issue: 1

4 Equipment: ADALIT L-5000 Ex1 & ADALIT L-5000 Ex1F

5 Manufacturer: ADARO TECNOLOGIA

6 Address: C/ Jimena Fernández de la Vega,38, 33203 Gijón, Asturias, Spain

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 ExVeritas, Notified Body number 2804 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive

9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this certificate:

EN 60079-0:2012/A11:2013


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 schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These 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

On behalf of ExVeritas

OFFICIAL SIGNATORY

Peter Lauritzen
Managing Director

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The certificate is only valid when it carries an original signature.

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Schedule

13 Description of Equipment or Protective System

Safety flashlight / hand torch, which is composed of a swivel head piece and a body. The assembly can rotate relative to the axial axis by an angle of + 90 ° to -30 °. The head piece contains the light source (Main High Intensity LED, secondaries LEDs for ambient light, and auxiliaries' colours LEDs for flashing signal lighting). The body piece contains the user interface (two pushbuttons and display of burning time) and power supply (one pack of rechargeable battery). ADALIT L-5000 Ex1 has an ultra-concentrated light spot and ADALIT L-5000 Ex1F has a flood light spot. Battery pack part number is F5A.60. Both families must be recharged using a dedicated charging station (CF5.1, CF5.2 or CF5.3).

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R1384/A/0	26/02/2019	0	Initial issue of the Prime Certificate
R1384/A/1	28/03/2019	1	Corrected incorrect documents references made in issue 0 R3 & R4 in PCB.35 changed. PCB Silkscreen updated.

14.2 Compliance Drawings:

Issue 0

Title:	Drawing No.:	Rev. Level:	Date:
PCB.34 – Gerber – LOM	1	1	09.01.2018
PCB.33 – Gerber – LOM	667	8	02.06.2017
PCB.35 – Gerber – LOM	664	11	06.11.2017
PCB.XD – Gerber – LOM	530	2	25.05.2017
ADH.F5.EX1 – ADHESIVO L-5000 EX1	707	02	2019.02.01
ADH.F5.EX1F – ADHESIVO L-5000 EX1F	708	02	2019.02.01
ADH.F5.EX1FRG – ADHESIVO L-5000 EX1F RED-GREEN	710	02	2019.02.01
ADH.F5.EX1RG – ADHESIVO L-5000 EX1 RED-GREEN	709	02	2019.02.01
PCB LAYOUT PCB.XD.3	530	03	2018.11.07
ELECTRICAL SCHEMATIC PCB.XD.3	529	04	2018.11.07
PCB LAYOUT PCB.33.9	660	02	2019.01.14
ELECTRICAL SCHEMATIC PCB.33.9	659	03	2018.06.11
PCB LAYOUT PCB.34.7	662	01	2019.01.14
ELECTRICAL SCHEMATIC PCB.34.7	661	02	2018.06.11
PCB LAYOUT PCB.35.14	664	04	2019.01.14
ELECTRICAL SCHEMATIC PCB.34.7	663	04	2018.04.26
F5.16 – JUNTA PLANA TAPA TRASERA L-5000	667	03	2018.03.14

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Title:	Drawing No.:	Rev. Level:	Date:
F5A.15 – JUNTA PLANA TAPA BATERIA L-5000 ATEX	712	00	2018.10.25
F5AM.51 TAPA TRASERA L-5000 ATEX CON IMÁN	711	00	2018.10.24
F5A.60 – PACK DE BATERIAS Ex1	701	01	2018.11.07
F5A.44 – TAPON LATERAL MUELLE L-5000 ATEX	687	03	2018.02.28
F5A.43 – TAPON LATERAL CUERPO L-5000 ATEX	686	03	2018.02.28
F5A.25 – TAPA BATERIA L-5000 ATEX	685	03	2018.06.14
F5A.32 – TAPA DISPLAY L-5000 Ex1	684	03	2018.11.07
F5A.51 – TAPA TRASERA L-5000 ATEX	683	04	2018.04.19
F5A.10 – TAPA CABEZA L-5000 ATEX	682	04	2018.10.25
F5A.41 – CABEZA L-5000 ATEX	681	03	2018.02.27
F5A.42 – CUERPO L-5000 ATEX CON TAPAS LATERALES	680	04	2018.06.13
F5.14 – JUNTA PLANA DISPLAY L-5000	678	03	2018.03.14

Issue 1

Title:	Drawing No.:	Rev. Level:	Date:
PCB.34.7 – Gerber – LOM	---	---	2019.01.14
PCB.33.9 – Gerber – LOM	----	---	2019.01.14
PCB.35.15 – Gerber – LOM	---	---	2019.04.15
PCB.XD.3 – Gerber – LOM	---	---	2019.02.14
ADH.F5.EX1 – ADHESIVO L-5000 EX1	707	03	2019.02.11
ADH.F5.EX1F – ADHESIVO L-5000 EX1F	708	03	2019.02.11
ADH.F5.EX1FRG – ADHESIVO L-5000 EX1F RED-GREEN	710	03	2019.02.11
ADH.F5.EX1RG – ADHESIVO L-5000 EX1 RED-GREEN	709	03	2019.02.11
PCB LAYOUT PCB.XD.3	530	03	2018.11.07
ELECTRICAL SCHEMATIC PCB.XD.3	529	05	2019.02.14
PCB LAYOUT PCB.33.9	660	02	2019.01.14
ELECTRICAL SCHEMATIC PCB.33.9	659	03	2018.06.11
PCB LAYOUT PCB.34.7	662	01	2019.01.14
ELECTRICAL SCHEMATIC PCB.34.7	661	02	2018.06.11
PCB LAYOUT PCB.35.15	664	06	2019.04.15
ELECTRICAL SCHEMATIC PCB.35.15	663	05	2019.04.15

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F5.16 – JUNTA PLANA TAPA TRASERA L-5000	677	03	2018.03.14
F5A.15 – JUNTA PLANA TAPA BATERIA L-5000 ATEX	712	00	2018.10.25
F5AM.51 TAPA TRASERA L-5000 ATEX CON IMÁN	711	00	2018.10.24
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F5A.44 – TAPON LATERAL MUELLE L-5000 ATEX	687	03	2018.02.28
F5A.43 – TAPON LATERAL CUERPO L-5000 ATEX	686	03	2018.02.28
F5A.25 – TAPA BATERIA L-5000 ATEX	685	03	2018.06.14
F5A.32 – TAPA DISPLAY L-5000 Ex1	684	03	2018.11.07
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F5A.41 – CABEZA L-5000 ATEX	681	03	2018.02.27
F5A.42 – CUERPO L-5000 ATEX CON TAPAS LATERALES	680	04	2018.06.13
F5.14 – JUNTA PLANA DISPLAY L-5000	678	03	2018.03.14

15 Conditions of Certification

15.1 Special Conditions for Safe Use

Use only the approved battery pack ADARO. Part number F5A.60.
Use only the approved charger ADARO part number CF5.1, CF5.2 or CF5.3.

15.2 Conditions for Use (Routine Tests)

16 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform the Notified Body of any modifications to the design of the product described by this schedule.

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