



- (2) **Equipment and protection systems intended for use in potentially explosive atmospheres**
Directive 94/9/EC

(1) **EC-TYPE EXAMINATION CERTIFICATE**

- (3) Number of the EC type examination certificate: **INERIS 02ATEX0056**

- (4) Protection system or equipment:

LIGHT TYPE DUO ATEX

- (5) Manufacturer: **PETZL**

- (6) Address: **ZI Crolles
CIDEX 105A
F- 38920 CROLLES**

- (7) This protection system or equipment and any other acceptable alternative of this one are described in the appendix of this certificate and the descriptive documents quoted in this appendix.

- (8) The INERIS, notified body and identified under number 0080, in accordance with article 9 of Council Directive 94/9/EC of the 23rd March 1994, certifies that this protection system or equipment fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment and protection systems intended for use in potentially explosive atmospheres, described in appendix II of the Directive.

The examinations and the tests are consigned in official report No P37015/02.

- (9) The respect of the Essential Health and Safety Requirements is ensured by:

- conformity with:

EN 50 014 of June	1997 + Amendments 1 and 2
EN 50 019 of July	2000
EN 50 020 of August	1994

- specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents.

- (10) Sign X, when it is placed following the Number of the EC type examination certificate, indicates that this equipment and protection system is subjected to the special conditions for safe use, mentioned in the annex of this certificate.

- (11) This EC type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. 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 or the protection system will have to contain:

 II 2 G

EEx e ia IIC T3

Verneuil-en-Halatte, le 2002 12 03



T. HOUEIX

Engineer at the Laboratory of Certification of
ATEX Equipment



Director of the Certifying Body,
By delegation
B. PIQUETTE
Deputy manager of Certification



(13)

ANNEX

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 02ATEX0056

(15) DESCRIPTION OF THE EQUIPMENT OR THE PROTECTION SYSTEM

The lamp comprises two bulbs, principal whose hearth is adjustable (zoom) and a pilot, with alternative with colourless electroluminescent diodes.

According to the version, the compartment battery can be carried on the head or to the belt.

The standard lamp DUO ATEX is made up of the principal following elements:

- a compartment in which comes to connect a block replaceable battery in explosive atmosphere,
- a lamp whose envelope comprises a button of setting according to the bulbs and a button of tuning of the hearth of the principal bulb, a connecting cable a maximum length of 1,5 meter.

PARAMETERS RELATING TO THE SAFETY

None.

MARKING

Marking must be readable and indelible; it must comprise the following indications:

- PETZL
ZI Crolles
CIDEX 105A
F- 38920 CROLLES
- DUO ATEX
- INERIS 02ATEX0056
- (serial number)
- (Year of construction)
-  II 2 G
- EEx e ia IIC T3
- Tamb. = -5°C to 40°C
- Ue = 6 V
- Ie = 0,4 A

The whole of marking can be carried out in the language of the country of use.

The protection apparatus or system must also carry the marking normally envisaged by the standards of construction which relate to it.

ROUTINE EXAMINATIONS AND TESTS

None.

(16) DESCRIPTIVE DOCUMENTS

The report is composed of the documents quoted hereafter, constituting the descriptive file of the apparatus, object of this certificate.

- | | |
|---|----------------------|
| - Instructions (3 pages) | signed on 2002.12.20 |
| - Technical file (notice + plans) of 23 pages | signed on 2002.12.20 |

These documents are signed on 20 december 2002

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use are described in the instructions.

(18) ESSENTIAL REQUIREMENTS OF SAFETY AND HEALTH

The respect of the Essential Health and Safety Requirements is ensured by:

- conformity to the European standards EN 50 014, EN 50 019 and EN 50 020.
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

ADDITION

(3) INERIS 02ATEX0056/01

(4) LIGHT TYPE DUO ATEX

(5) Made by PETZL

(15) - PURPOSE OF THE ADDITION

Possibility of use the following battery :

- Manufacturer : MC NAIR.
- Type : MH-A2700 L.

Documents are updated.

PARAMETERS RELATING TO THE SAFETY

None.

MARKING

The marking defined in the basic EC-type examination certificate is unchanged.

ROUTINE EXAMINATIONS AND TESTS

None.

(16) - DESCRIPTIVE DOCUMENTS

The document referred to below, constitute the file describing the modifications of the apparatus and forming the subject of the present addition.

- Descriptive notice n°2 (8 pages) dated and signed on 2004.09.29

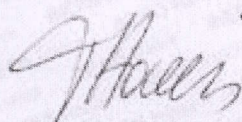
(17) - SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use defined in the basic certificate are unchanged

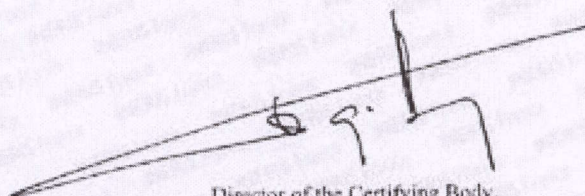
(18) - ESSENTIAL REQUIREMENTS OF SAFETY AND HEALTH

The respect of the Essential Health and Safety Requirements defined in the basic EC-type examination certificate is unchanged.

Verneuil-en-Halatte, 2004 10 14


T. HOUEIX

Engineer at the Laboratory of Certification of ATEX
Equipment



Director of the Certifying Body,
By delegation
B. PIQUETTE
Deputy manager of Certification



COMPLEMENT

(3)

INERIS 02ATEX0056/02

(4)

LAMPE TYPE DUO ATEX

(5)

Construite par PETZL

(15) - OBJET DU COMPLEMENT

Classement de la lampe duo atex en categorie 2D.

Remplacement de l'ampoule à filament par une LED.

Mise à jour des documents descriptifs.

PARAMETRES RELATIFS A LA SECURITE

Néant.

MARQUAGE

Le marquage devient :

Sur le boitier contenant le pack accumulateur de la lampe :

- PETZL
- Z.I de Crolles
- F - 38920 CROLLES
- DUO ATEX
- INERIS 02ATEX0056
- (numéro de série)
- (Année de construction)
-  II 2 GD
- EEx ia IIC T3
- Ex iaD 21 T200°C
- Tamb : -5°C à +40°C

Sur le pack accumulateur :

- PETZL
- DUO ATEX BATTERY
- INERIS 02ATEX0056
-  II 2 G
- EEx ia IIC T3

EXAMENS ET ESSAIS INDIVIDUELS

Néant.

(16) - DOCUMENTS DESCRIPTIFS

Le document, cité ci-après, constitue le dossier descriptif des modifications apportées au matériel et faisant l'objet du présent complément.

- Notice descriptive n°3 (8 pages) datée et signée du 2006.03.17
- Notice utilisateur (2 pages) datée et signée du 2006.03.17

(17) - CONDITIONS SPECIALES POUR UNE UTILISATION SURE

Les conditions spéciales imposées dans l'attestation de base sont inchangées.

(18) - EXIGENCES ESSENTIELLES DE SECURITE ET DE SANTE

Le respect des Exigences Essentielles de Sécurité et de Santé est assuré par :

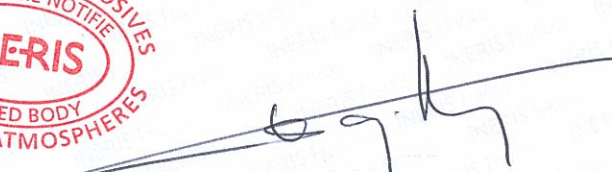
- la conformité aux normes européennes EN 50014, EN 50020, CEI 61241-0 et CEI 61241-11.
- L'ensemble des dispositions adoptées par le constructeur et décrites dans les documents descriptifs.

Verneuil-en-Halatte, 2006 03 28



T. DELBAERE

Ingénieur au Laboratoire de
Certification des Matériels ATEX



Le Directeur de l'Organisme Certificateur,
Par délégation
B. PIQUETTE
Directeur Adjoint de la Certification