

**INERIS**INSTITUT NATIONAL DE L'ENVIRONNEMENT  
INDUSTRIEL ET DES RISQUESParc Technologique ALATA  
B.P. N° 2 - 60550 Verneuil-en-Ialatte - France  
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Télex : 140 094 F

(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 03ATEX0130X**

(4) Protection system or equipment:

**CONTROLLER TYPE ULTIMA CONTROLLER**

(5) Manufacturer: **MINES SAFETY APPLIANCES COMPANY**

(6) Address: **1000, Cranberry Woods Drives  
Cranberry Townshship, PA  
16066 USA**

(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 Corncil Directive 94/9/EC of the 23<sup>rd</sup> 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 P48784/03.

(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 50 020 of June 2002

- 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:

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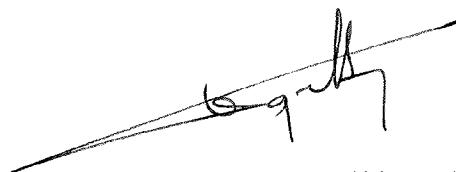
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Verneuil-en-Halatte, 2003 07 28

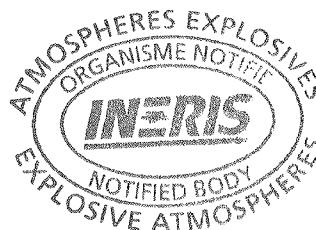


T. HOUeix

Engineer at the Laboratory for 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 03ATEX0130X

(15) DESCRIPTION OF THE EQUIPMENT OR THE PROTECTION SYSTEM

The Ultima Controller allows the programming and calibration, by remote control, of the gas-detectors from type Ultima.

The power supply consists of two cells size AA of 1,5 volts of nominal voltage, connected in series.


An enveloping leather cover protects the Ultima controller.

PARAMETERS RELATING TO THE SAFETY

None.

MARKING

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

- MINES SAFETY APPLIANCES COMPANY
- 1000, Cranberry Woods Drives  
Cranberry Townshship, PA  
16066 USA
- INERIS 03ATEX0130X
- ULTIMA CONTROLLER
- (Serial number)
- (Year of construction)
-  II 2 G
- EEx ib IIC T4

DO NOT USE WITHOUT ITS ENVELOPING LEATHER.

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

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

- Instructions Manual (29 pages) Rev. 8 signed on 2003.06.23
- Drawing n° 10000000981 - rev.01 du 07-13-99 signed on 2003.03.28
- Drawing n° 10000000937 - rev.01 du 05-03-99 signed on 2003.03.28
- Drawing n° C809086 - rev.10 du 06-21-02 signed on 2003.03.28
- Drawing n° D806123 - rev.08 du 02-24-99 signed on 2003.03.28
- Drawing n° D806122 - rev.06 du 02-24-99 signed on 2003.03.28
- Drawing n° DSK3014-302 - rev.04 du 02-24-99 signed on 2003.03.28

**(17) SPECIAL CONDITIONS FOR SAFE USE**

The apparatus has to be carrying its protection cover when it is used in explosive atmospheres.

The apparatus must be used with two cells with the following type:

Manufacturer	Size
DURACELL	MN 1500 AA

**(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 and EN 50 020.
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

## **ADDITION**

(3)

**INERIS 03ATEX0130X/01**

(4)

**CONTROLLER type ULTIMA CONTROLLER**

(5)

**Made by MINES SAFETY APPLIANCES COMPANY**

(15) **PURPOSE OF THE ADDITION**

- Application of the evolution of the standards:
  - EN 60 079-0:2006,
  - EN 60 079-11:2007,
- Possible use of electronic components of RoHS type,
- Update of descriptive documents.

**PARAMETERS RELATING TO THE SAFETY**

None.

**MARKING**

The marking is modified as follows:

MINES SAFETY APPLIANCES COMPANY  
1000 Cranberry Woods Drive  
Cranberry Township, PA16066 - USA  
ULTIMA CONTROLLER  
INERIS 03ATEX0130X  
(Serial number)  
(Year of construction)



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WARNING :

DO NOT USE WITHOUT ITS LEATHER ENVELOPE

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

**ROUTINE EXAMINATIONS AND TESTS**

The routine examinations and tests are unchanged.

**(16) DESCRIPTIVE DOCUMENTS**

The descriptive documents quoted hereafter constitute the technical documentation describing the modification of the equipment, subject of this present addition.

- |  |                     |
|--|---------------------|
| - Certification file ACR483166 (1 page) rev.2      | dated on 2007.12.19 |
| - Descriptive notice (2 pages)                     | dated on 2007.12.19 |
| - Instructions manual n° 10046691 (35 pages) rev.4 | dated on 2007.12.19 |
| - Drawings n° SK3098-1067 (2 pages) rev.0          | dated on 2007.06.12 |
| - Drawing n° 10000000981 (1 page) rev.2            | dated on 2003.09.30 |

These documents were signed on 19th december 2007.

**(17) SPECIAL CONDITIONS FOR SAFE USE**

The special conditions are unchanged.

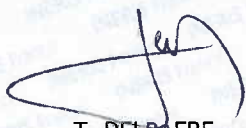
**(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS**

The respect of the Essential Health and Safety Requirements is unchanged.

The respect of the Essential Health and Safety Requirements is completed as follows:

- Conformity to the European standards EN 60 079-0:2006 and EN 60 079-11:2007.
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2007-12-18

  
T. DELBAERE  
Project Manager at the ATEX  
Equipment Evaluation Laboratory



  
Director of the Certifying Body,  
By delegation  
T. HOUEIX  
Certification Officer  
Certification Division



## **ADDITION**

(3) **INERIS 03ATEX0130X/02**

(4) **CONTROLLER TYPE ULTIMA CONTROLLER**

(5) **Made by MINE SAFETY APPLIANCES COMPANY**

(15) **PURPOSE OF THE ADDITION**

Complementary notes on the marking plate.

**PARAMETERS RELATING TO THE SAFETY**

None.

**MARKING**

The marking is unchanged from addition 01 of the EC type examination certificate.

**ROUTINE EXAMINATIONS AND TESTS**

The routine examinations and tests are unchanged.

(16) **DESCRIPTIVE DOCUMENTS**

The descriptive documents quoted hereafter constitute the technical documentation describing the modification of the equipment, subject of this present addition.

- |   |                     |
|---|---------------------|
| - Instruction manual n° 10046691 (62 pages) rev.5 | dated on 2010.06.29 |
| - Drawing n° 10000000981 (1 page) rev. 3          | dated on 2010.06.03 |
| - Drawing n° C809086 (1 page) rev. 11             | dated on 2007.11.20 |

These documents were signed on 29 June 2010.

(17) **SPECIAL CONDITIONS FOR SAFE USE**

The special conditions are unchanged.

(18) **ESSENTIAL SAFETY AND HEALTH REQUIREMENTS**

The respect of the Essential Health and Safety Requirements is completed as follows:

- Conformity to the European standards EN 60 079-0:2006 and EN 60 079-11:2007.
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2010 09 24

*D. Chapt*



Director of the Certifying Body,  
By delegation  
T. HOUËIX  
Certification Officer  
Certification Division



## ADDITION

(3) INERIS 03ATEX0130X/03

(4) CONTROLLER TYPE ULTIMA CONTROLLER

(5) Made by MINE SAFETY APPLIANCES COMPANY

(15) PURPOSE OF THE ADDITION

- Introduction of a new real-time clock circuit with a 3.0V battery, which replaces a one-wire time-in-a-can real-time clock that has become obsolete.
- Updating of descriptive documents.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are unchanged.

MARKING

The marking is unchanged.

ROUTINE EXAMINATIONS AND TESTS

The routine examinations and tests are unchanged.

(16) DESCRIPTIVE DOCUMENTS

The descriptive documents quoted hereafter constitute the technical documentation describing the modifications of the equipment, subject of this present addition.

- |                                       |  |
|---------------------------------------|--|
| - Technical file (9 pages)            | dated on 2011.05.06 and signed on 2011.05.16 |
| - Drawing SK3098-1067 rev.1 (5 pages) | dated on 2011.03.09 and signed on 2011.05.06 |
| - Changes request ACR 490221          | dated and signed on 2011.05.16               |
| - Instructions manual (62 pages)      | dated and signed on 2011.05.06               |

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use are unchanged.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is unchanged.

Verneuil-en-Halatte, 2011.06.27

**Dominique CHARPENTIER**  
Directeur adjoint  
Direction de la Certification



Director of the Certifying Body,  
By delegation  
T. HOUEIX  
Certification Officer  
Certification Division

## ADDITION

(3) INERIS 03ATEX0130X/04

(4) CONTROLLER TYPE ULTIMA CONTROLLER

(5) Made by MINE SAFETY APPLIANCES COMPANY

(15) **PURPOSE OF THE ADDITION**

- Application of EN 60079-0: 2012 + A11: 2013 and EN 60079-11: 2012 standards.
- Possible use of new cell's type.


**PARAMETERS RELATING TO THE SAFETY**

None.

**MARKING**

The marking is modified as follows:

MINE SAFETY APPLIANCES COMPANY  
1000, Cranberry Woods Drives  
Cranberry Township, PA  
16066 USA  
ULTIMA CONTROLLER  
INERIS 03ATEX0130X  
(serial number)  
(Year of construction)

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WARNING : DO NOT USE WITHOUT ITS LEATHER CASE

\*Temperature class is function of cells type used.

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

**ROUTINE EXAMINATIONS AND TESTS**

None.



**(16) DESCRIPTIVE DOCUMENTS**

The descriptive documents quoted hereafter constitute the technical documentation describing the modification of the equipment, subject of this present addition.

- |   |                                |
|---|--------------------------------|
| - Additive 04 to descriptive note (5 pages) | dated and signed on 2014.10.27 |
| - Drawing nr C813829 rev.10 (3 pages)       | dated and signed on 2014.10.27 |
| - User's manual (65 pages) ref. 10046691/06 | dated and signed on 2014.10.27 |

**(17) SPECIAL CONDITIONS FOR SAFE USE**

The special conditions for safe use are modified as follows:

The apparatus have to be supplied by two cells from the following type:

Manufacturer	Type	Temperature Class	Size
DURACELL	MN 1500 AA	T3	AA
	Industrial MN 1500 AA LR6	T4	AA

**(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS**

The respect of the Essential Health and Safety Requirements is completed or modified as follows:

- Conformity to the standards quoted in clause (15).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2014.11.20



The Chief Executive Officer of INERIS  
By delegation  
T. HOUeix  
Ex Certification Officer