

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

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

(3) Number of the EC type examination certificate: **INERIS 00ATEX0028 X**

(4) Protection apparatus or system:

**CONTROL UNIT TYPE 9010-9020 LCD**

(5) Manufacturer: **MSA ITALIANA S.P.A.**

(6) Address: **Via Po 13/17  
I- 20089 ROZZANO (MI)**

(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/CE 23 the Mars 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 15233/00.


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

- conformity with:

EN 1127-1	of June	1997
prEN 50 271	of August	2000
EN 50 054	of July	1998
EN 50 057	of July	1998

- 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 refers only to the design and the construction of the apparatus or protection system specified. If necessary, other requirements of this Directive will be imposed on the manufacture and the supply of this apparatus or protection system.
- (12) The marking of the equipment or the protection system will have to contain:

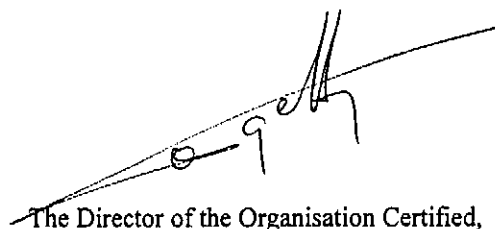
 II (2) G

Verneuil-en-Halatte, le 2000 12 01

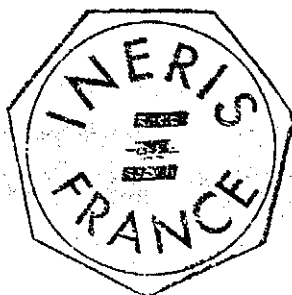


T. HOUeix

Engineer at the Laboratory of Certification of  
Materials ATEX



The Director of the Organisation Certified,  
By delegation  
B. PIQUETTE  
Deputy manager of Certification



(13)

## ANNEX

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 00ATEX0028 X

(15)

### DESCRIPTION OF THE EQUIPMENT OR THE PROTECTION SYSTEM

The control unit type 9010-9020 LCD is intended for detecting and measuring the concentration level of different types of gas.

The control unit type 9010 LCD has one measuring and detection channel so that it can be connected to a single sensor, while the control unit type 9020 LCD has two measuring channels allowing two different sensors to be connected.

The control unit type 9010-9020 LCD can function with any type of passive catalytic sensor in a bridge configuration, for example the MSA sensor type 410 (French and Italian), the MSA type sensor type 47 (Italian) and the MSA sensor type D-7100/D-7010 (German).

The system consisting of the control unit type 9010-9020 LCD and of one or two MSA sensors as mentioned above complies with directive 94/9/EC.

The three MSA sensors mentioned above also have their own certificate of conformity or EC type review certificate allowing them to be used in explosive atmospheres.

The calibration gas for the system is methane. The response of the system to six other gases has been evaluated, these gas are hydrogen, hexane, butane, ethyl acetate, cyclopentane and toluene.


### PARAMETERS RELATING TO THE SAFETY

In accordance with the categories defined in the draft standard prEN 50 271, the control unit type 9010-9020 LCD is classified as follows:

- The sensor inputs are category 1,
- The processing unit is category 2,
- The "FAIL" optical coupler output is category 2,
- The other relay and optical coupler outputs are category 1.

**MARKING**

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

- MSA ITALIANA S.P.A.
- Via Po 13/17  
I- 20089 ROZZANO (MI)
  
- 9010-9020 LCD
- INERIS 00ATEX0028 X
- (serial number, if any)
- (Year of construction)
  
-  II (2) G

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.

- Instruction Notice (34 pages) signed on 10.11.2000
- Technical documentation Rev.1.2 (71 pages) signed on 10.11.2000

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

The relay outputs should periodically be checked by the user according to the specifications given in the instruction booklet.

The user should conduct a periodic calibration according to the specifications given in the instruction booklet.

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

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

- compliance with the European standards EN 1127-1, prEN 50 271, EN 50 054 and EN 50 057;
- all the provisions adopted by the manufacturer and set out in the descriptive documents.

## **ADDITION**

### **INERIS 00ATEX0028 X/01**

**CONTROL UNIT TYPE 9010-9020 LCD**

**Made by MSA ITALIANA S.p.A.**

#### **(15) - PURPOSE OF THE ADDITION**

Control Unit types 9010LCD and 9020LCD can accept, respectively, one or two input 4-20 mA signals from sensors/transmitters. These sensors/transmitters, with 4-20 mA output, shall have their own EC type examination certificate and they shall be according to clause 1.5 of annex II of 94/9/EC Directive.

#### **PARAMETERS RELATING TO THE SAFETY**

The parameters relating to the safety are unchanged.

#### **MARKING**

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

#### **(16) - DESCRIPTIVE DOCUMENTS**

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

- Instruction manual n°COD.0756.168 rev.6
- Document n°. 01B0625L/AC/XLS dated 2001-03-06

These documents are signed on May, the 25<sup>th</sup> 2001

(17) - SPECIFIC PARAMETERS OF THE TYPES OF PROTECTION CONCERNED

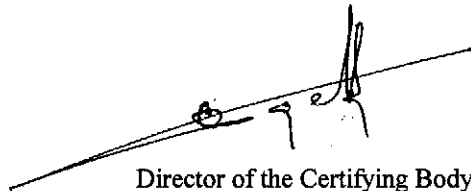
The special conditions for safe use defined in the basic certificate are unchanged.

Verneuil-en-Halatte, 2001 06 06

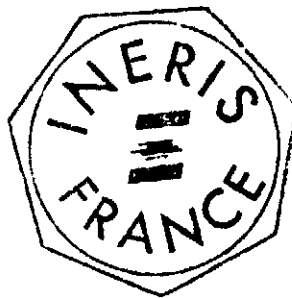


T. HOUEIX

Engineer at the Laboratory of Certification of  
Materials ATEX



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



## ADDITION

### INERIS 00ATEX0028 X/02

CONTROL UNIT TYPE 9010-9020 LCD

Made by MSA ITALIANA S.p.A.

#### (15) - PURPOSE OF THE ADDITION

Control unit type 9010-9020 LCD can be connected to any type of passive catalytic sensor in a bridge configuration, of the following list:

- the MSA sensor type 47, 47PRP and 47HT
- the MSA gas detector series 47K-ST, 47K-PRP and 47K-HT
- the MSA sensor type D-7100/D-7010.

The system consisting of the Control unit type 9010-9020 LCD and one of sensors quoted above complies with directive 94/9/EC including clause 1.5 of annex II.

The sensors and gas detector mentioned above also have their own EC type examination certificate allowing them to be used in explosive atmospheres.

The calibration gas for the system is methane. The response of the system to six other gases has been evaluated, these gas are hydrogen, hexane, butane, ethyl acetate, cyclopentane and toluene.

Control unit type 9010-9020 LCD can accept one input 4-20 mA signals from sensors/transmitters. These sensors/transmitters, with 4-20 mA output, shall have their own EC type examination certificate and they shall be according to clause 1.5 of annex II of 94/9/EC Directive.

#### PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety defined in the basic EC type examination certificate and addition 01 are unchanged.

#### MARKING

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

(16) - DESCRIPTIVE DOCUMENTS

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

- Instruction manual n°COD.0756.168 rev.8 signed on 2003-10-08

(17) SPECIAL CONDITIONS FOR SAFE USE

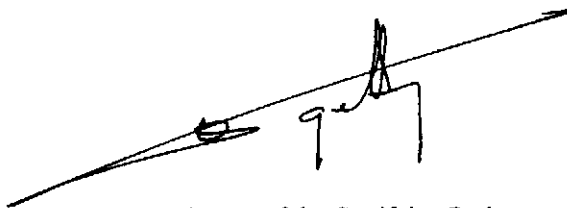
Special conditions for safe use defined in the basic certificate are unchanged.

Verneuil-en-Halatte, 2003 12 15



T. HOUEIX

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





## ADDITION

INERIS 00ATEX0028X/03

CONTROL UNIT TYPE 9010-9020 LCD

Made by MSA ITALIANA S.p.A.

### (15) - PURPOSE OF THE ADDITION

Possibility for the Control unit type 9010-9020 LCD to accept one input 4-20 mA signals from Oxygen sensors/transmitters. The alarm can be set downward.

These Oxygen sensors/transmitters, with 4-20 mA output, shall have their own EC type examination certificate and they shall be according to clause 1.5 of annex II of 94/9/EC Directive.


The connection to the Oxygen sensors/transmitters is performed threwh an intrinsic safety barrier or galvanic isolation current transmitter.

### PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety defined in the basic EC type examination certificate and addition 01 are unchanged.

### MARKING

The marking defined in the basic EC type examination certificate is modified as follow:

- MSA ITALIANA S.P.A.  
Via Po 13/17  
I-20089 ROZZANO (MI)
- 9010-9020 LCD 1.3
- INERIS 00ATEX0028 X
- (Serial number)
- (Year of construction)
-  II (2)/(1) G

### (16) - DESCRIPTIVE DOCUMENTS

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

- Instruction manual n°Cod.0756.168 rev.9 signed on 2004.04.21
- Technical documentation Rev.1.3 (72 pages) signed on 2004.04.21

(17) SPECIAL CONDITIONS FOR SAFE USE

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 is ensured by:

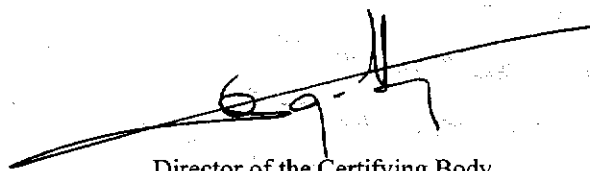
- compliance with the European standards EN 1127-1, EN 50 054, EN 50 057, EN 50 104, EN 50 271
- all the provisions adopted by the manufacturer and set out in the descriptive documents.

Verneuil-en-Halatte, 2004 05 13



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Deputy manager of Certification



## ADDITION

INERIS 00ATEX0028X/04

CONTROL UNIT TYPE 9010-9020 LCD

Made by MSA ITALIANA S.p.A.

(15) - PURPOSE OF THE ADDITION

The Control unit type 9010-9020 LCD connected to the sensors type 47K-ST and 47K-PRP is now conformed to EN 61779-1 and EN 61779-4.

PARAMETERS RELATING TO THE SAFETY

The control unit type 9010-9020 LCD presents design architecture conforms to the EN 61508 standard as follows:

- The sensor inputs are SIL 2,
- The processing unit is SIL 2,
- The "FAIL" optical coupler output is SIL 2,
- The other relay and optical coupler outputs are SIL 1.

MARKING

The marking defined in the addition 03 of the EC type examination certificate is unchanged.

(16) - DESCRIPTIVE DOCUMENTS

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

- |  |                      |
|--|----------------------|
| - Instruction manual n°Cod.0756.168 rev.13 | signed on 2005.06.24 |
| - Supplement 01 of Technical documentation | signed on 2005.04.26 |

(17) SPECIAL CONDITIONS FOR SAFE USE

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 is ensured by:

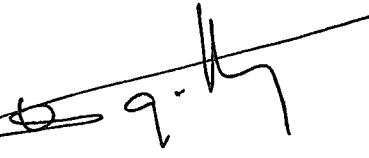
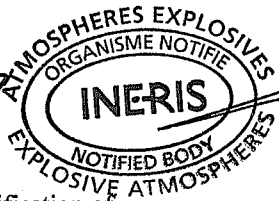
- compliance with the European standards EN 1127-1, EN 61 779-1, EN 61 779-4, EN 50 104, EN 50 271
- all the provisions adopted by the manufacturer and set out in the descriptive documents.

Verneuil-en-Halatte, 2005 04 27



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Deputy manager of Certification

## ADDITION

### INERIS 00ATEX0028X/05

CONTROL UNIT TYPE 9010-9020 LCD

Made by MSA ITALIANA S.p.A.

#### (15) - PURPOSE OF THE ADDITION

The Control unit type 9010-9020 LCD connected to the sensors type 47K-ST and 47K-PRP is now conformed to EN 50402, EN 61779-1 and EN 61779-4.

The calibration gas for the system is propane and methane for 47K-ST sensors and only methane for 47K-PRP sensors. The response of the system to six other gases has been evaluated, these gases are hydrogen, hexane, butane, ethyl acetate, cyclopentane and toluene.

#### PARAMETERS RELATING TO THE SAFETY

The control unit type 9010-9020 LCD presents design architecture conforms to the EN 50402 standard of SIL-capability 2.

#### MARKING

The marking defined in the addition 03 of the EC type examination certificate is unchanged.

#### (16) - DESCRIPTIVE DOCUMENTS

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

- |  |                      |
|--|----------------------|
| - Supplement 02 of Technical documentation | signed on 2006.03.13 |
| - Calibration curves                       | signed on 2006.03.13 |

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

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 is ensured by:

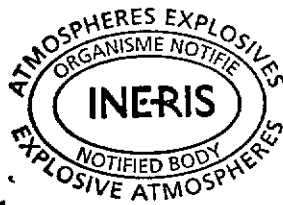
- compliance with the European standards EN 61 779-1, EN 61 779-4, EN 50 104, EN 50 402.
- all the provisions adopted by the manufacturer and set out in the descriptive documents.

Verneuil-en-Halatte, 2006 03 14



T. HOUEIX

Project Manager at the ATEX equipment  
Certification Laboratory



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

## ADDITION

- (3) **INERIS 00ATEX0028X/06**
- (4) **CONTROL UNIT TYPE 9010-9020 LCD**
- (5) **Made by MSA ITALIANA S.p.A.**

(15) **PURPOSE OF THE ADDITION**

The calibration gas for the control unit type 9010-9020 LCD connected to 47K-ST sensors is propane and methane. The response to different gases has been evaluated, these gases are : 2-butanone, acetone, acetylene, ammonia, 1,3-butadiene, diethyl ether, acetic acid, acetic anhydride, ethane, ethanol, ethylene, ethyl acetate, ethylene oxide, (FAM-) Standard mineral spirit 65/95, i-butyl acetate, n-butyl acetate, n-butane, n-hexane, n-nonane, n-pentane, 2-propanol, propylene, propylene oxide, toluene, hydrogen, xylene (mixture of isomers 1:1:1 p-m-o), cyclopentane, allyl alcohol, i-butylene, i-butane, methanol and cyclohexane.

**PARAMETERS RELATING TO THE SAFETY**

The control unit type 9010-9020 LCD presents design architecture conforms to the EN 50402 standard of SIL-capability 2.

**MARKING**

The marking defined in the addition 03 of the EC type examination certificate is unchanged.

(16) **DESCRIPTIVE DOCUMENTS**

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

- Supplement 03 of Technical documentation signed on 2006.08.31

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

The special conditions defined in the basic certificate are unchanged.

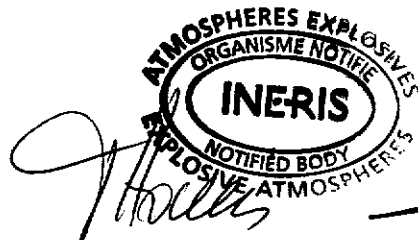
(18) **ESSENTIAL SAFETY AND HEALTH REQUIREMENTS**

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

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

- Conformity to the European standards EN 61 779-1, EN 61 779-4, EN 50 104, and EN 50 402.
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2006 09 01



T. HOUÉIX

Project Manager at the ATEX  
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Director of the Certifying Body,  
By delegation  
B. PIQUETTE  
Deputy Manager of Certification



## ADDITION

(3) INERIS 00ATEX0028X/07

(4) CONTROL UNIT TYPE 9010-9020 LCD

(5) Made by MSA ITALIANA S.p.A.

(15) PURPOSE OF THE ADDITION

The control unit type 9010-9020 LCD connected to the sensors type 47K-HT is now conformed to EN 50402, EN 61779-1 and EN 61779-4.

The calibration gas for the system is methane and propane. The response of the system to different gases has been evaluated, these gases are 2-butanone, acetone, ethanol, ethyl acetate and toluene.

PARAMETERS RELATING TO THE SAFETY

The control unit type 9010-9020 LCD presents design architecture conforms to the EN 50402 standard of SIL-capability 2.

MARKING

The marking defined in the addition 03 of the EC type examination certificate is unchanged.

(16) DESCRIPTIVE DOCUMENTS

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

- Supplement 04 of Technical documentation signed on 2006.08.31

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions defined in the basic certificate are unchanged.

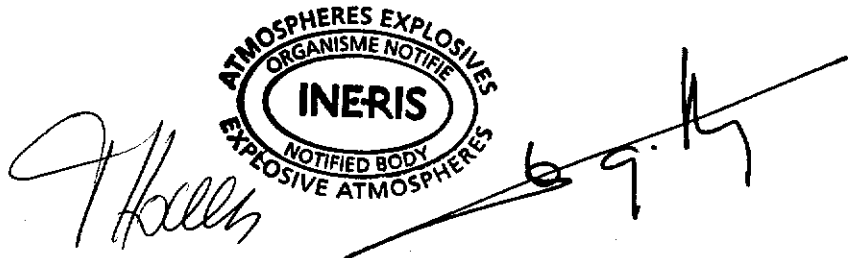
(18) **ESSENTIAL SAFETY AND HEALTH REQUIREMENTS**

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

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

- Conformity to the European standards EN 61 779-1, EN 61 779-4, and EN 50 402.
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2006 09 01



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Director of the Certifying Body,  
By delegation

B. PIQUETTE  
Deputy Manager of Certification

## ADDITION

INERIS 00ATEX0028X/08

CONTROL UNIT TYPE 9010-9020 LCD

Made by MSA ITALIANA S.p.A.

(15) **PURPOSE OF THE ADDITION**

Modification of hardware and software.

**PARAMETERS RELATING TO THE SAFETY**

The parameters relating to the safety mentioned in the basic certificate are unchanged.

**MARKING**

The marking defined in the EC type examination certificate and its additions is unchanged.

(16) **DESCRIPTIVE DOCUMENTS**

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

- Instruction manual n° Cod.0756.167 rev.3 signed on 2007.01.29
- Preliminary documentation rev.0 dated on June 2006 signed on 2007.01.29
- Software documentation rev.0 dated on 2007.01.29 signed on 2007.01.29

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

Special conditions for safe use defined in the basic certificate are unchanged.

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

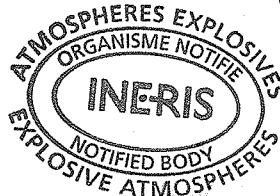
The respect of the Essential Health and Safety Requirements is unchanged.

Verneuil-en-Halatte, 2007 03 06



X. LEFEBVRE

Engineer at the Laboratory for Evaluation of  
ATEX equipment



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

## ADDITION

(3) INERIS 00ATEX0028X/09

(4) CONTROL UNIT TYPE 9010-9020 LCD

(5) Made by MSA ITALIANA S.p.A.

(15) **PURPOSE OF THE ADDITION**

The Control unit type 9010-9020 LCD connected to the sensors type 47K-PRP is conformed to EN 50402, EN 61779-1 and EN 61779-4.

The calibration gas for the system is methane and propane. The response of the system to different gases has been evaluated, these gases are 2-butanone, acetone, ethanol, ethyl acetate, (FAM-) Standard mineral spirit 65/95, 2-propanol, propene, toluene, hydrogen, i-propanol (40°C) and i-ethoxy-2-propanol (40°C).

**PARAMETERS RELATING TO THE SAFETY**

The parameters relating to the safety mentioned in the addition 07 of basic certificate are unchanged.

**MARKING**

The marking defined in the addition 03 of basic certificate is unchanged.

(16) **DESCRIPTIVE DOCUMENTS**

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

- Supplement 05 of Technical documentation signed on 2007.07.09


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

The special conditions defined in the basic certificate and additions are unchanged.

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

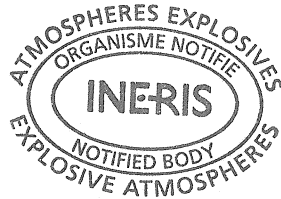
The respect of the Essential Health and Safety Requirements defined in the basic certificate and in the additions is unchanged.

Verneuil-en-Halatte, 2007 07 20



X. LEFEBVRE

Project Manager at the ATEX Equipment  
Evaluation Laboratory



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

## ADDITION

- (3) INERIS 00ATEX0028X/10
- (4) CONTROL UNIT TYPE 9010-9020 LCD
- (5) Made by MSA ITALIANA S.p.A.

(15) PURPOSE OF THE ADDITION

Use of electronic relay board :

The Alarm Board works exclusively in combination with the C.U's 9010/20LCD Rev. 3. The main functions of the Alarm Board are the alarms and failure relays activation. The relays could be installed onboard or externally on suitable modules.

The minimum configuration of the Alarm Board is:

1 Failure Relay  
4 Configurable Relays.

The maximum configuration of the Alarm Board is:

1 Failure Relay  
28 Configurable Relays.

The connection with the C.U's 9010/20LCD Rev. 3 is made by a RS485 port, with Modbus protocol. The setting of the Alarm Board is made through the keys and the alphanumeric display mounted onboard.

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 document quoted hereafter constitutes the technical documentation describing the modification of the equipment, subject of this present addition.

- Technical sheet n°20
- Documentation scheda relé rev. 2

signed on 2008.02.26

signed on 2008.02.26

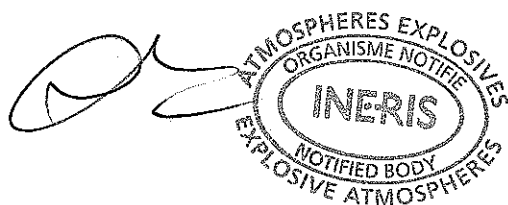
(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions are unchanged.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

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

Verneuil-en-Halatte, 2008 03 17



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Project Manager at the ATEX  
Equipment Evaluation Laboratory

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

## ADDITION

(3) INERIS 00ATEX0028X/11

(4) CONTROL UNIT TYPE 9010-9020 LCD

(5) Made by MSA ITALIANA S.p.A.

(15) PURPOSE OF THE ADDITION

Introduction of a new instructions note and calculation of the MTBF.

PARAMETERS RELATING TO THE SAFETY

The control unit type 9010-9020 LCD presents a design architecture conforms to the EN 50402 standard of SIL-capability 2 and the MTBF is:

$$\text{MTBF} = 179\,700 \text{ h}$$

MARKING

The marking defined in the addition 03 of basic EC-type examination certificate INERIS 00ATEX0028X is unchanged.

(16) DESCRIPTIVE DOCUMENTS

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

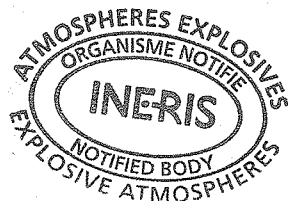
- Instructions n° 10093590/00 signed on 2008.06.06

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions defined in the basic certificate and additions are unchanged.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements defined in the basic certificate and in the additions is unchanged.



Verneuil-en-Halatte, 2008 12 17

Director of the Certifying Body,  
By delegation  
D. CHARPENTIER  
Deputy Certification Manager



## COMPLEMENT

(3) **INERIS 00ATEX0028X/11**

(4) **UNITE DE CONTRÔLE Type 9010-9020 LCD**

(5) **construite par MSA ITALIANA S.p.A.**

(15) - **OBJET DU COMPLEMENT**

Introduction d'une nouvelle notice d'instructions et calcul du MTBF

**PARAMETRES RELATIFS A LA SECURITE**

L'unité de contrôle type 9010-9020 LCD présente une architecture conforme à la norme EN 50402 de niveau SIL-capability 2 et le MTBF est de :

MTBF = 179 700 h.

**MARQUAGE**

Le marquage imposé par le complément 03 à l'attestation d'examen CE de type INERIS 00ATEX0028 X est inchangé.

(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 d'instruction 10093590/00

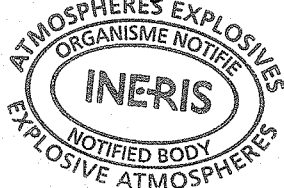
signé le 2008.06.06

(17) - **CONDITIONS SPECIALES POUR UNE UTILISATION SURE**

Les conditions imposées par l'attestation d'examen CE de type de base et compléments sont inchangées.

(18) **EXIGENCES ESSENTIELLES DE SECURITE ET DE SANTE**

Le respect des Exigences Essentielles de Sécurité et de Santé défini dans le certificat de base et les compléments est inchangé.



Verneuil-en-Halatte, 2008 12 17

Le Directeur de l'Organisme Certificateur,  
Par délégation  
D. CHARPENTIER  
Directeur Adjoint de la Certification

## ADDITION

(3) INERIS 00ATEX0028X/12

(4) CONTROL UNIT TYPE 9010-9020 LCD

(5) Designed by MSA AUER GmbH

### (15) PURPOSE OF THE ADDITION

- Change of the manufacturer name.
- The Control unit type 9010-9020 LCD connected to the sensors type 47K-PRP is now conformed to EN 60079-29-1:2007 and IEC 60079-29-1:2007.
- The calibration gases for the system are unchanged.
- The Control unit type 9010-9020 LCD is also conformed to EN 60079-29-1:2007, IEC 60079-29-1:2007, EN 50104:2010 and EN 50271:2010 when a certified sensors/transmitter is connected on its 4-20 mA inputs.
- The software version is V4.3.
- Possible hardware manufacturing of the Control unit type 9010-9020 LCD on 19" rack version or wallmount version.


### PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are unchanged.

### MARKING

The marking is modified as follows:

MSA AUER GmbH  
D-12006 BERLIN  
9010-9020 LCD  
INERIS 00ATEX0028X  
(Serial number)  
(Year of construction)  
EN 60079-29-1  
EN 50104

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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.

- Instructions referenced Order No. 10093590/02 dated on 2013.09
- Technical Specification 9010-20 Firmware 4.x Vs 3.7 Ref. ST119 dated on 2011.05.11
- Technical specification 9010-20 Firmware history Ref. ST1279 dated on 2012.06.08
- Drawing list Version : 1.04 EN dated on 2012.06.04

**(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 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, 2014.03.05



The Chief Executive Officer of INERIS  
By delegation  
D. CHARPENTIER  
Certification Division,  
Manager