



- (2) **Component intended to be incorporate into equipment or protective system intended for use in explosive atmospheres  
Directive 94/9/EC**

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

(3) Number of the EC type examination certificate: **INERIS 02ATEX9006 U**

(4) Component:

**PHOTOCONDUCTIVE CELL TYPE FTC**

(5) Manufacturer: **SICE S.r.l.**

(6) Address: **Via L.MANARA  
I- 61100 PESARO**

(7) This component 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 23<sup>rd</sup> March 1994, certifies that this component 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. P47505/02.

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

- conformity with:

EN 50 014 of june 1997 + Amendement 1 and 2  
EN 50 018 of november 2000

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

- (10) Sign U, when it is placed following the Number of the EC type examination certificate, indicates this one should not be wrongly considered as an EC type examination certificate delivered for equipment or protective system. This partial certification may be used as a basis for the certification of equipment or protective system.
- (11) This EC type examination certificate refers only to the design and the construction of the component specified. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.
- (12) The marking of the component will have to contain:

 II 2 G

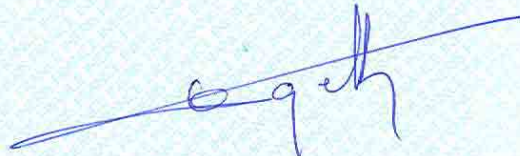
**EEx d IIB**

Verneuil-en-Halatte, 2002 12 31



X.LEFEBVRE

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 02ATEX9006 U

(15) DESCRIPTION OF COMPONENT


Photoconductive cell fitted with a lampholder sealed.

PARAMETERS RELATING TO THE SAFETY

Max supply voltage : 80 V  
Maximum current : 100 mA

MARKING

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

- SICE s.r.l.  
Via L.MANARA  
I- 61100 PESARO  
FTC
- INERIS 02ATEX9006 U  
(serial number)
- (Year of construction)
-  II 2 G
- EEx ed IIB

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

The component must also carry the marking normally envisaged by the standards of construction which relate to it.

ROUTINE EXAMINATIONS AND TESTS

In accordance with 16.2 of EN 50 018, this component of a volume lower than 10 cm<sup>3</sup>, is exempted of individual test of overpressure.

**(16) DESCRIPTIVE DOCUMENTS**

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

- Descriptive notice IU-001 ATEX Rev 0 (5 pages) signed on 2002.11.20
- Instruction notice ref. IU-001ATEX Rev 1 (2 pages) signed on 2002.11.20
- Drawing n°001/ATEX dated on 2002.11.20 signed on 2002.11.20

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

None.

**(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 50 018.
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.

**(19) VERIFICATION AND TESTS**

The Ex component satisfied the routine examination and tests which are applicable for it within the framework of the standards.

It results in particular from the checks and tests carried out, that:

- the sealing resin CW1991BD EL+HY 2954BD is thermically stable until 130°C,
- the enclosure of this component had succesfully underwent a test of overpressure of 10 bar in accordance with 15.1.3.1 of EN 50 018.

## ADDITION

(3) INERIS 02ATEX9006U / 01

(4) PHOTOCONDUCTIVE CELL TYPE FTC

(5) Manufactured by SICE SRL

(15) **PURPOSE OF THE ADDITION**


As a variation :  
use in the specific range of operating temperature -40°C to +80°C  
New resin of cemented joint : type CAF50 or CAF1  
Change of adress

**PARAMETERS RELATING TO THE SAFETY**

The parameters relating to the safety mentionned in the basic certificate are unchanged.  
Specific tests have been performed for the intended use.

**MARKING**

The marking defined in the basic certificate is modified as follows:

SICE S.R.L.  
I - 61020 PESARO  
FTC  
INERIS 02ATEX9006U  
(Serial number)  
(Year of construction)  
 II 2 G  
EEx d IIB

**ROUTINE EXAMINATIONS AND TESTS**

The routine examinations and tests stipulated by the basic certificate are unchanged for this application.

(16) **DESCRIPTIVE DOCUMENTS**

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

- NT-001/ATEX Rev.1 -13.01.2006 including drawing and instructions.

(17) SPECIAL CONDITIONS FOR SAFE USE

These special conditions are defined in instruction notice.

(18) ESSENTIAL REQUIREMENTS OF SAFETY AND HEALTH

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

Verneuil-en-Halatte, 2006 06 30



X. LEFEBVRE

Engineer at the Laboratory of Certification  
of Materials ATEX

Director of the Certifying Body,  
By delegation

B. PIQUETTE  
Deputy manager of Certification

## ADDITION

(3) INERIS 02ATEX9006U/02

(4) PHOTOCONDUCTIVE CELL TYPE FTC

(5) Made by SICE SRL

(15) PURPOSE OF THE ADDITION

As a variation :

Application of new European standards:

- EN 60079-0:2006,
- EN 60079-1:2004,

Change of address.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are unchanged.

MARKING

The marking is modified as follows:

SICE SRL

I - 61100 PESARO

FTC

INERIS 02ATEX9006U

(Serial number)

(Year of construction)

 II 2 G

Ex d IIB

IP66

T<sub>amb.</sub> : -40° C to +55° C

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 note NT-001/ATEX Rev.2 on 2007.04.27 including drawing and instructions.

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

The conditions are stipulated in the instructions.

(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 60079-0:2006, and EN 60079-1:2004.
- All provisions adopted by the manufacturer and defined in the descriptive documents.

Verneuil-en-Halatte, 2008 03 17



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 02ATEX9006U/03
- (4) PHOTOCONDUCTIVE CELL TYPE FTC
- (5) Made by SICE SRL

(15) PURPOSE OF THE ADDITION


- Application of the following standards :  
EN 60079-0 : 2012  
EN 60079-1 : 2007
- Update of the descriptive documents.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are unchanged.

MARKING

The marking is modified as follows:

SICE SRL  
I - 61100 PESARO  
FTC  
INERIS 02ATEX9006U  
(Serial number)  
(Year of construction)  
 II 2 G  
Ex d IIB Gb  
T<sub>amb.</sub> : -40°C to +55°C

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.

- Technical Note NT-001 /ATEX rev.3 dated and signed on 2013.02.22
- Instruction and Maintenance Manual IU-001 /ATEX rev.3 dated and signed on 2013.02.22
- Drawing No 001 /ATEX rev.B dated and signed on 2013.02.22

(17) **SCHEDULE OF LIMITATION**

The special conditions for safe use are modified as follows:

- The component is intended to be used in an operating temperature -40°C to +55°C.
- The user will have to connect the free extremity of cable either in a non-explosive atmosphere, or in an enclosure protected by a recognized protection mode adapted to the area.
- The overpressure tests have been performed at 30 bar.

(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, 2014.07.01



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