



(2) **Equipment intended for use in potentially explosive atmospheres  
Annex VIII - Directive 94/9/EC**

(1) **TYPE EXAMINATION CERTIFICATE**

(3) Number of the type examination certificate: **INERIS 11ATEX3023X**

(4) Equipment:

**GAS DETECTOR OLCT10N TYPE FLAMMABLE OR TOXIC**

(5) Manufacturer: **INDUSTRIAL SCIENTIFIC OLDHAM**

(6) Address: **Rue Orfila, ZI est  
F - 62027 ARRAS**

(7) This equipment and any other acceptable alternative of this one are described in the annex of this certificate and the descriptive documents quoted in this annex.

(8) INERIS certifies that this equipment fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres and submitted to the annex VIII of the Directive. The essential requirements are described in the annex II of the Directive 94/9/EC of the 23<sup>rd</sup> March 1994.

The examinations and the tests are consigned in confidential report No 26314/12.


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

- conformity with:

EN 60079-0 : 2009  
EN 60079-15 : 2010  
EN 60079-31 : 2009

- 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 type examination certificate, indicates that this equipment is subjected to the special conditions for safe use, mentioned in the annex of this certificate.
- (11) This type examination certificate relates only to the design, examination and tests of the specified equipment in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment, these are not covered by this certificate.
- (12) The marking of the equipment will have to contain:

 II 3 GD

Verneuil-en-Halatte, 2012.11.15



The Chief Executive Officer,  
By delegation  
T. HOUEIX  
Ex Certification Officer

(13)

## A N N E X

(14)

### TYPE EXAMINATION CERTIFICATE N° INERIS 11ATEX3023X

(15) DESCRIPTION OF THE EQUIPMENT

The OLCT10N is a stationary gas detector designed for detection of toxic gases and flammable gases. The OLCT10N is intended to be used in explosive atmospheres of gas (Zone 2) and dust (Zone 22).

The OLCT10N is composed of:

- A plastic enclosure which gets the degree of protection IP65 in accordance with IEC 60529 standard.
- An electronic PCB protected by the type of protection "nA".
- 1 or 2 certified cable gland(s).

The detector is divided into two types:

- The type OLCT10N TOXIC receiving an electrochemical sensor head protected by the type of protection "nA".
- The type OLCT10N FLAMMABLE receiving a sensor head type CFC510 protected by the type of protection "nC".

### PARAMETERS RELATING TO THE SAFETY

Maximum supply voltage :  $U_m = 30 \text{ V (DC)}$

### MARKING

Marking has to be readable and indelible; it has to include the following indications:

INDUSTRIAL SCIENTIFIC OLDHAM

F - 62027 ARRAS

OLCT10N- (\*)

INERIS 11ATEX3023X

(Serial number)

(Year of construction)

 II 3 GD

Ex nA IIC T4 Gc (\*\*) or Ex nA nC IIC T4 Gc (\*\*\*)

Ex tc IIIC T135°C Dc IP65

T.amb : -20°C to +55°C

WARNINGS:

DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT.

POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS.

(\*) One of the following types: TOXIC or FLAMMABLE.

(\*\*) For the type "TOXIC"

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

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

#### **ROUTINE EXAMINATIONS AND TESTS**

None.

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

The descriptive document quoted hereafter constitutes the technical documentation of the equipment, subject of this certificate.

- Certification file NDC/RD/0151 Index A (4 items) dated and signed on 2012.01.05

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

- During the installation, the user will take into consideration that the equipment underwent only a shock corresponding to an energy of a low risk.

The other conditions are stipulated in the instructions.

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

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

- Conformity to the European standards quoted on page1, clause (9).
- All provisions adopted by the manufacturer and defined in the descriptive documents.