



# IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION  
IEC Certification Scheme for Explosive Atmospheres  
for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx INE 11.0029X      issue No.:0      Certificate history:  
Status: Current  
Date of Issue: 2012-12-03      Page 1 of 3  
Applicant: **INDUSTRIAL SCIENTIFIC OLDHAM**  
RUE ORFILA  
ZI EST  
BP 20417  
F-62027 ARRAS  
France  
Electrical Apparatus: **OLCT10N TOXIC or FLAMMABLE**  
*Optional accessory:*  
Type of Protection: nA, nC and tc  
Marking: Ex nA nC IIC T4 Gc or Ex nA IIC T4 Gc  
Ex tc IIIC T135°C Dc

*Approved for issue on behalf of the IECEx  
Certification Body:*

Thierry HOUEIX

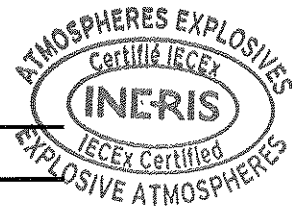
*Position:*

Ex Certification Officer

*Signature:  
(for printed version)*

*Date:*

2012-12-03



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

INERIS  
Institut National de l'Environnement Industriel  
et des Risques  
BP n2  
Parc Technologique ALATA  
F-60550 Verneuil-En-Halatte  
France

## INERIS



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Manufacturer: **INDUSTRIAL SCIENTIFIC OLDHAM**  
RUE ORFILA  
ZI EST  
F-62027 ARRAS  
France

**Manufacturing location(s):**

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

**STANDARDS:**

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2007-10</b> Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
<b>IEC 60079-15 : 2010</b> Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
<b>IEC 60079-31 : 2008</b> Edition: 1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'

*This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

**TEST & ASSESSMENT REPORTS:**

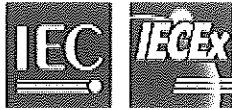
*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

FR/INE/ExTR12.0008/00

Quality Assessment Report:

FR/INE/QAR06.0006/03



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The OLCT10N is a stationary gas detector designed for detection of toxics 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 who gets the degree of protection IP66 in accordance with IEC 60529 standard,
- an electronic card 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 protection "nC".

**CONDITIONS OF CERTIFICATION: YES as shown below:**

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



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Annexe: IECEX INE 11.0029X\_Annex.pdf

## PARAMETERS RELATING TO THE SAFETY

Maximum supply voltage : 30V (DC)

## MARKING

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

- ISC OLDHAM
- F-60027 Arras
- OLCT10N-(\* )
- IECEX INE 11.0029X
- (Serial number)
- Ex nA IIC T4 Gc (\*\* ) or Ex nA nC IIC T4 Gc (\*\*\*)
- Ex tc IIIC T135°C Dc IP65
- -20°C < Tamb < +55°C
- **WARNINGS:**
  - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT.
  - POTENTIAL ELECTROSTATIC CHARGING HAZARD. ONLY POLISH OR WIPE WITH A WET CLOTH.

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

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

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

## ROUTINE EXAMINATIONS AND TESTS

None.