

- (2) **Equipment and protective 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 03ATEX0158X**

(4) Protective system or equipment :

**BOX TYPE AD4320001 or AD432002**

(5) Manufacturer: **IDRM**

(6) Address: **Z.I du Sauvoy  
25, avenue de Montboulon  
F - 77165 SAINT-SOUPPLETS**

(7) This protective system or 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) The INERIS, notified body and identified under number 0080, in accordance with article 9 of Council Directive 94/9/EC of the 23<sup>rd</sup> March 1994, certifies that this protective system or equipment fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment and protective 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 N°P42448/03.

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


- conformity with:

EN 50 014 of June 1997 + A1 and A2  
EN 50 018 of November 2000 + A1  
EN 50281-1-1 of September 1998 + A1

- 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 protective 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 protective system will have to contain:

 II 2 G D

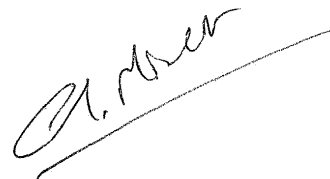
EEx d IIC T6 or EEx d IIC T5  
T100°C or T135°C IP65

Verneuil-en-Halatte, 2003 10 28

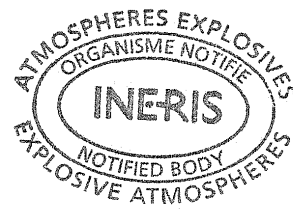


X. LEFEBVRE

Engineer at the Laboratory of Certification of ATEX  
Equipment



Director of the Certifying Body,  
By delegation  
C. MICHOT  
Certification Manager



(13)

## ANNEX

(14)

EC TYPE EXAMINATION CERTIFICATE N°INERIS 03ATEX0158X

(15) DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM

This box consists in a body closed by a screwed cover.

The enclosure contains a whole of apparatus defined in the descriptive note.

This box can be fitted with the following Ex components :

- Pneumatic bushing type XW8-TL1 certificate INERIS 03ATEX9014U
- Auxiliary control type TCD certificate LCIE 02ATEX0036U

This apparatus presents the degrees of protection IP65 according to European standard EN 60 529.

PARAMETERS RELATING TO THE SAFETY

Supply voltage : 1000 V

Maximum power dissipated :


Temperature class	Box type and maximum power dissipated	
	AD432001	AD432002
T6 ou T85°C	7 watts	12 watts
T5 ou T100°C	10 watts	18 watts

**MARKING**

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

IDRM  
F - 77165 SAINT-SOUPPLETS

AD432001 or AD 432002  
INERIS 03ATEX0158X  
(numéro de série)  
(Année de construction)

 II 2 GD  
EEx d IIC T (\*)  
IP65 T (\*)

DO NOT OPEN WHEN ENERGIZED

(\*) see table below

In case of the box is fitted with a disconnecter, the indication near to the disconnecter :

DO NOT OPERATE UNDER LOAD

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**

According to 16.2 of standard EN 50 018, the apparatus is exempted of routine test in view of the fact that it has undergone a static type test at 4 times the reference pressure under 32 bar.

**(16) DESCRIPTIVE DOCUMENTS**

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

Certification file ID-210 rev.C of 2003.10.06

This document, signed on 2003.10.06 included 4 parts (20 pages).

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

The cable entries have to get a degrees of protection at least IP65.

For use in potentially explosive atmospheres due to combustible dust:

- The surface of the different gaps have to be covered with grease,
- User has to do a regular cleaning of material to limit dust layers on the material sides.

**(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, 50 018 and EN 50 281-1-1.
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.