



- (2) **Equipment and protection 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 02ATEX0090 X**

- (4) Protection system or equipment :

ENCLOSURE TYPE EMH9.2**

(The points are replaced by number and letter corresponding to manufacturing variation)

- (5) Manufacturer: **NUOVA ASP**
(6) Address: **Via de Gasperi, 26
20090 Pantigliate (MI)
ITALY**

- (7) This protection 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 23rd March 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 N°P45465/02.

- (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
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 protection 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 protection system will have to contain:

 II 2 GD

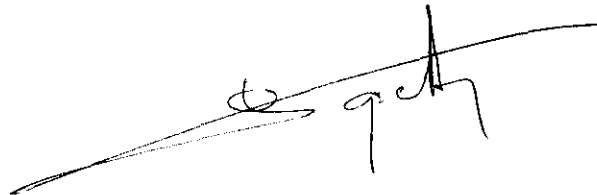
EEx d IIC T6 or EEx d IIC T5
IP66 T85°C or T100°C

Verneuil-en-Halatte, 2002 12 05



C. PETITFRERE

Engineer at the Laboratory of Certification of Materials
ATEX



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



(13)

ANNEX

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 02ATEX0090 X

(15) DESCRIPTION OF THE EQUIPMENT OR THE PROTECTION SYSTEM

The enclosure made in alluminium alloy consists of a body closed by a cover fitted with a glass window. This enclosure is intended to contain differents measuring instruments.

This enclosure can be fitted with a condensation water drain.

This enclosure presents the degrees of protection IP66 according to European standard EN 60 529.

PARAMETERS RELATING TO THE SAFETY

Analogic measuring instruments :

Maximum supply voltage : 600 V (AC or DC)

Rated current : 5 A

Digital measuring instruments :

Maximum supply voltage : 110 V (AC) or 230 V (DC)

Twilight relay :


Maximum supply voltage : 230 V (AC)

Rated current : 16 A

Mamimum dissipated power : See table below

MARKING

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

- NUOVA ASP
ITALY
- EMH9.2** (a)
- INERIS 02ATEX0090 X
- (Serial number)
- (year of construction)
-  II 2 GD
- EEx d IIC T (b)
- IP66 T (c)
- T.Amb (d)
- T.Câble (e)
- DO NOT OPEN WHEN ENERGIZED
- AFTER DE-ENERGIZED WAIT 15 MINUTES BEFORE OPENING

(a) The points are replaced by number and letter corresponding to manufacturing variation.

Maximum dissipated power	Ambient temperature range (d)	Concerned explosive atmosphere		Cable temperature (e)
		Gas (b)	Dust (c)	
10 W	-20°C to 52°C	T6	T85°C	None
16 W	-20°C to 40°C	T6	T85°C	None
16 W	-20°C to 52°C	T5	T100°C	75°C

The whole 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

According to 16.1 of standard EN 50 018, each example of the material defined above must have successfully passed before delivery an overpressure test, of a period comprised between 10 and 60 secondes under 11,5 bar.

(16) DESCRIPTIVE DOCUMENTS

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

- Descriptive note NT-214/ATEX rev.0 of 2002.10.16 (5 pages)
- Instructions IU-214-ATEX - F.1 DI 1 (1 page) rev.0 of 2002.10.16
- Drawing n° PNC-214-ATEX folio 1 of 2002.10.16
- Drawing n° PNC-214-ATEX folio 2 of 2002.10.16
- Drawing n° PNC-214-ATEX folio 3 of 2002.10.16

These documents are signed on 2002.12.02

(17) SPECIAL CONDITIONS FOR SAFE USE

- For the resistance to impact, the apparatus can insure a low protection, the user shall insure an supplementary protection in case of heavy mechanical risk.
- All the certified elements fitting the equipment, in particular the cables entries, could be put on the market until June 30 2003. The equipment put on the market after this date will be equipped with elements in conformity with Directive 94/9/EC.

For use in potentially explosive atmospheres due to combustible dust:

- The surface of the different joints shall be covered with grease, for example silicone and cable entries shall be of a degree of protection at least IP6X.
- User shall perform a regular cleaning of material to limit dust layers on the material sides.

The special conditions are defined in the instructions.

(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.