

INERIS

- (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 10ATEX0020**

- (4) Equipment or protective system:

ANALIZERS TYPE GPR 1000/1100/1200/1200P/1200MS/2000 and GPR 2000P

- (5) Manufacturer: **ANALYTICAL INDUSTRIES INC. DBA ADVANCED INSTRUMENTS INC.**

- (6) Address: **2855 METROPOLITAN PLACE
POMONA CA 91767 - USA**

- (7) This equipment or protective system 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, 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 equipment or protective system 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 annex II of the Directive.

The examinations and the tests are consigned in report No 023321/10.

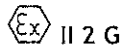
- (9) The respect of the Essential Health and Safety Requirements is ensured by:

- conformity with:

EN 60079-0 : 2006
EN 60079-11 : 2007

- 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:

 Ex II 2 G

Verneuil-en-Halatte, 2010 09 03



Director of the Certifying Body,
By delegation
T. HOUeix
Certification Officer
Certification Division

(13)

ANNEX

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 10ATEX0020

(15)

DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM

GPR 1000/1100/1200/1200P/1200MS/2000 and 2000P oxygen analyzers are portable equipments protected by an intrinsic safety PCB. They are powered by a 6V Lead-Acid Rechargeable Battery.

PARAMETERS RELATING TO THE SAFETY

None.

MARKING

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

Analytical INDUSTRIES INC. DBA ADVANCED INSTRUMENTS INC.


POMONA CA 91767 - USA

GPR (*)

INERIS 10ATEX0020

(Serial number)

(Year of construction)

 II 2 G

Ex ib IIB T4

T.amb : +5°C to +45°C

(*) One of the following types: GPR-1000/1100/1200/1200P/1200MS/2000 or GPR-2000P.

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

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

ROUTINE EXAMINATIONS AND TESTS

None.

(16) DESCRIPTIVE DOCUMENTS

The descriptive documents quoted hereafter constitute the technical documentation of the equipment, subject of this certificate.

- Technical file Oxygen Analyzer GPR1200MS/1200/1200P/1100/1000/2000/2000P (16 rubrics) signed on may 6th, 2010
- Addendum n° 1 technical file All Portable rev.C2.2 signed on July, 19th, 2010

(17) SPECIAL CONDITIONS FOR SAFE USE

None.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

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

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

The respect to the clause §1.5 of annex II to the Directive for this analyzer does not form part of this evaluation.