(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 03ATEX0052X**

(4) Equipment or protective system:

ROTATING SENSORS TYPES RT or RYO or RCI or RCA or RAC or REO or RDC orRCC or RCO ... ...

(The dots are replaced by numbers corresponding to the different production versions.)

(5) Manufacturer: **PRECILEC RADIO ENERGIE**

(6) Address: 41, 47 rue Guynemer
BP 239
F- 89002 AUXERRE CEDEX

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

(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 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 appendix II of the Directive.

The examinations and the tests are consigned in official report No P45661/03

(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 50 281-1-1	of June	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.

Parc Technologique Alata BP 2 F-60550 Verneuil-en-Halatte
tél +33(0)3 44 55 66 77 fax +33(0)3 44 55 66 99 internet www.ineris.fr

Institut national de l'environnement industriel et des risques
Etablissement public à caractère industriel et commercial - RCS Senlis B 381 984 921- Siret 381 984 921 00019 - APE 743B

(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.

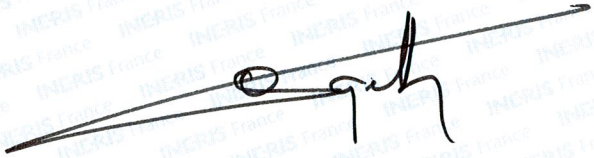
(12) The marking of the equipment or the protective system will have to contain:

Ex II 2 GD or II 2G **EEx d IIC T5 IP66 T100°C**

Verneuil-en-Halatte, on 2003 12 01

X. LEFEBVRE

Engineer at the Laboratory for Certification of ATEX Equipment



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

(13) # ANNEX

(14) EC TYPE EXAMINATION CERTIFICATE N° INERIS 03ATEX0052X

(15) DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM

Flameproof casing intended to accommodate an active part such as resolver, speed measuring alternator, centrifugal switch, optical encoder or speed measuring dynamo.

PARAMETERS RELATING TO THE SAFETY

Insulation: Class B

MARKING

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

PRECILEC RADIO ENERGIE
41, 47 rue Guynemer
BP 239
F- 89002 AUXERRE CEDEX
TYPES RT or RYO or RCI or RCA or RAC or REO or RDC or RCC or RCO ... ...
INERIS 03ATEX0052X
(serial number)
(Year of construction)
⟨Ex⟩ **II 2 GD or II 2G** **EEx d IIC T5 IP66 T100°C**

T cable: **95°C for an ambient temperature of 90°C**

- DO NOT OPEN WHEN ENERGIZED
- AFTER SWITCHING OFF, WAIT FOR 10 MINUTES BEFORE OPENING.

ROUTINE EXAMINATIONS AND TESTS

In accordance with section 16.2 of EN 50 018, the equipment is exempted from the individual test, the prototype having successfully passed a type test at a pressure equivalent to 4 times the reference pressure.

(16) DESCRIPTIVE DOCUMENTS

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

- Descriptive note 46521 rev. D of 2003.09.10
- ATEX instructions dated and signed on 2003.10.10

(17) SPECIAL CONDITIONS FOR SAFE USE

- The equipment can be used within the temperature range -20°C to 80°C.
- The cable penetrations must be compatible with the protection mode applied to the connection portion.
- For operation at an ambient temperature of 80°C, the user must select a cable and a cable penetration compatible with the cable temperature indicated in paragraph (15).
- The fastenings used for assembling the different parts of flameproof casings must be of quality of 780 N/mm² or better.
- The user must clean the equipment regularly in order to avoid any deposits of dust on the walls.

These 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, EN 50 018 and EN 50 281-1-1.

- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.