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CERTIFICATE OF EC-TYPE EXAMINATION
Apparatus or system of protection intended for use in
explosive atmospheres
Directive 94/9/EC

- (3) Number of EC-type examination certificate: **ISSeP03ATEX036X**
- (4) Apparatus or system of protection:
Thermometer Ex-TP20.
- (5) Applicant: ECOM Instruments GmbH
- (6) Address: Industriestrasse 2
D - 97959 Assamstadt
- (7) This apparatus or system of protection and any other acceptable variant thereof is specified in the annex to this certificate and in the documents pertaining to it.
- (8) ISSeP, notified body n_i 492 pursuant to Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this apparatus or system of protection meets the Essential Health and Safety Requirements as concerns the design and construction of apparatus or systems of protection intended for use in explosive atmospheres, described in Annex II of the Directive..
- Confidential report n_i 00134 presents the results of the examinations and tests.
- (9) Compliance with Essential Health and Safety Requirements has been verified by means of compliance with:
EN 50014 : 1997 + A1 et A2 : 1999
EN 50020 : 1994
EN 50284 :1999
EN 50281-1-1 : 1998
- (10) The symbol "X" when it is placed after the certificate number means that the apparatus or system of protection is subject to the special conditions defined in the annex of the certificate for use in total safety.
- (11) This CERTIFICATE OF EC-TYPE EXAMINATION refers exclusively to the design, examination and tests of the specified apparatus or system of protection, in keeping with Directive 94/9/EC. Other requirements of this Directive can be imposed on the manufacturing processes and the supply of this material or system of protection. These are not covered by this certificate.
- (12) The marking of the apparatus or system of protection includes the following indications:
II 1 GD EEx ia IIC T4 IP65
I M 1 EEx ia I

Colfontaine, 16 April 2003

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Renaud Alain,
Head of the Colfontaine site

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(13) **ANNEX**
(14) **CERTIFICATE OF EC-TYPE EXAMINATION N_i ISSeP03ATEX036X**

(15) Description of the apparatus or system of protection.
Thermometer Ex-TP 20.

Electric characteristics: None

Individual tests:

The manufacturer must do the individual verifications and tests necessary to ensure that the electric material produced complies with the specification submitted to the test station with the prototype or sample (EN 50014 - Art. 24).

Recommendations if any: Temp: 0_iC +50_iC

(16) Report n_i 00134

Composed in all of 34 pages, completed by the following documents:

Certificate of EC-type examination ISSeP02ATEX054X.
Declaration of SKF Maintenance Products dated 7 September 2000.
Declaration of ECOM Instruments GmbH dated 19 February 2003.
Contract of 7 April 2003 (5 pages).

(17) Special conditions for safe use:

Symbole X

- Use exclusively with DURACELL PROCELL LR03 (AAA) batteries.
- Certain surfaces such as the label do not meet Article 4.4 of standard EN 50284:1999. All precautions must be taken on using the ThermoPen in areas in category 1 (zone 0), group II C.

(18) Essential Health and Safety Requirements. Covered by the Standards listed under (9).