



(1) EC TYPE-EXAMINATION CERTIFICATE

(2) Equipment or Protective System intended for use in potentially explosive atmospheres - **Directive 94/9/EC**

(3) EC-Type Examination Certificate Number

TÜV 00 ATEX 1580 X



(4) Equipment or Protective System: Explosion-proof temperature measuring device type Ex-MP4

(5) Manufacturer: ECOM Rolf Nied GmbH

(6) Address: Industriestraße 2
D-97959 Assamstadt

(7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV Hannover/Sachsen-Anhalt e.V., TÜV CERT-Certification Body, notified body number 0032 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), certifies that this equipment or protective system has been found to comply with the Basic Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential report N° 00 PX 11700.

(9) Compliance with the Basic Health and Safety Requirements has been assured by compliance with:

EN 50 014:1997

EN 50 020:1994

(10) If the sign "X" is placed after the certification number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

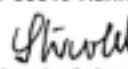
(11) This EC-type examination certificate relates only to the design and construction of the specified equipment or protective system according to Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and placing on the market of this equipment or protective system.

(12) The marking of the equipment or protective system must include the following:

 **II 2 G EEx ia IIC T4**

TÜV Hannover/Sachsen-Anhalt e.V.
TÜV CERT-Zertifizierungsstelle
Am TÜV 1
D-30519 Hannover

Hanover, 2000-07-06


Head of the
Certification Body





(13)

SCHEDULE

(14) **EC-TYPE EXAMINATION CERTIFICATE N° TÜV 00 ATEX 1580 X**

(15) Description of equipment or protective system

The explosion-proof temperature measuring device type Ex-MP4 is allowed to be used within the explosion-hazardous area of the Categories 2 and 3 (Zone 1 and Zone 2).

The highest permissible ambient temperature is 50°C.

Electrical data

Supply (internal battery)	1 pc. block battery according to IEC 6LR61 U = 9 V
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Only batteries successfully type-examined according to section 10.9 of the EN 50020:1994 are permissible. The manufacturers and the types have to be indicated in the operating instructions.

(16) Test documents are listed in the test report No. 00 PX 11700.

(17) Special condition for safe use

It is only allowed to replace the battery outside of the hazardous area.

In the hazardous explosive area the temperature measuring device must only be used with the associated leather bag.

(18) Basic Health and Safety Requirements

no additional ones



Translation

1. SUPPLEMENT to

EC TYPE-EXAMINATION CERTIFICATE No. TÜV 00 ATEX 1580 X

of the company: ECOM Rolf Nied GmbH
Industriestraße 2
D-97959 Assamstadt

In the future, the explosion-proof temperature measuring device type Ex-MP4 may also be manufactured according to the test documents listed in the test report.

The electrical data, the special conditions for safe use and all other data apply unchanged for this supplement.

(16) Test documents are listed in the test report N° 01 YEX 126560.

(17) Special condition for safe use

For the measuring of temperatures in areas that requires category 1 equipment (zone 0) applies the following:

The temperature measuring device type Ex-MP4 must not be introduced into areas that require apparatus of category 0 (zone 0) itself.

The strap of the device with leather bag has to fixed at the belt or at a belt buckle of the operator in such a way that in the case of free hanging of the device at the strap there is a safety distance greater than 50 cm to the border area of the category 1 (zone 0) observed. It is only allowed to use the strap of the manufacturer.

(18) Essential Health and Safety Requirements

no additional ones

TÜV Hannover/Sachsen-Anhalt e.V.
TÜV CERT-Zertifizierungsstelle
Am TÜV 1
D-30519 Hannover

Hannover, 2001-07-25

Head of the
Certification Body