



Translation

Original language: German

(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: **KEMA 03ATEX2425 X**

(4) Equipment or protective system: **Temperature Sensor Type Ex TF.....L...**

(5) Manufacturer: **Erich Ott**

(6) Address: **Rüdigerstrasse 15, 65189 Wiesbaden, Germany**

(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) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential 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 confidential report no. 2024389.

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

EN 50014 : 1997

EN 50018 : 2000

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

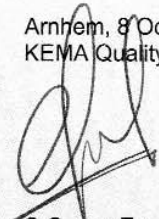
(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

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



II 2 G EEx d IIC T6

Arnhem, 8 October 2003
KEMA Quality B.V.


C.G. van Es
Certification Manager

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(13)

SCHEDULE

(14)

to EC-Type Examination Certificate KEMA 03ATEX2425 X

(15) **Description**

The Temperature Sensor Type Ex TF.....L... consists of a PT 100, PT 1000 or Ni 100 temperature sensor, mounted in a flameproof enclosure.

Ambient temperature range: -40 °C ... +80 °C for temperature class T6

Process temperature switching range -40 °C ... +200 °C

Electrical data

Rated voltage 1,8 Vdc

Rated current 1-10 mA at 100 Ohm, < 1mA at 1000 Ohm.

(16) **Report**

KEMA No. 2024389.

(17) **Special conditions for safe use**

The free cable end of the permanently connected unterminated cable shall be connected inside a suitable certified connection box.

See (15) for the ambient temperature range.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

	<u>dated</u>
1. Description (3 Pages)	12.09.2002
2. Drawing No. 65 A 101	12.09.2002
65 A 102	15.12.2002
65 A 103	04.08.2003
65 A 068	12.09.2002