



Translation

(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 1545 X

- (4) Equipment or Protective System: Explosion-proof filling level indicator Ex-LM*
- (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.
- (8) The TÜV Hannover/Sachsen-Anhalt e.V., TÜV Certification Body N° 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° 00PX05100.

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

EN 50 014:1997

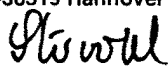
EN 50 020:1994

- (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

Hannover, 2000-04-28


Head of the
Certification Body



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(13)

SCHEDULE

(14) **EC-TYPE EXAMINATION CERTIFICATE N° TÜV 00 ATEX 1545 X**

(15) Description of equipment or protective system

The explosion-proof filling level indicator Ex-LM* is allowed to be used within the explosion-hazardous area of the categories 2 and 3 (Zone 1 and Zone 2). The measuring head allows the determination of filling levels through the tank walls which inside is assigned to category 1 (Zone 0). The measuring head is not allowed to be inserted the in the category 1 (Zone 0).

Electrical data

Supply
(internal battery) 1 pc block battery according to IEC 6LR61 or 6F22
U = 9 V

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.

Sensor connection only for the connection to measuring head type HE02 or HE20
(Lemos socket)

(16) Test documents are listed in the test report No. 00PX05100.

(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 red bur fastener at the safety bag must be closed.

The filling level indicator may be used inside of the hazardous explosive area only with the associated leather bag.

It is only allowed to use the supersonic measuring heads provided by the manufacturer.

Inside of the hazardous explosive area the connection between measuring head and device may not be removed resp. be changed.

(18) Basic Health and Safety Requirements

no additional ones