

Translation

TÜV Hanover/Sachsen-Anhalt e.V. Mitglied von TÜV CERT
(Technical Control Board Hannover/Sachsen-Anhalt e.V. Member of TÜV CERT)



**TÜV
CERT**

(1) EC-Test Certificate for Design Samples

- (2) Devices and protective systems to be duly used in potentially explosive atmospheres
– **Directive 94/9/EC**
- (3) Number of EC-test certificate for design samples

TÜV 97 ATEX 1197 X

- (4) Device: Handheldmanometer type EX-HM28
- (5) Manufacturer: ECOM Rolf Nied GmbH
- (6) Address: D-97959 Assamstadt
- (7) The design of this device as well as its different permissible variations are stipulated in the appendix to this test certificate for design samples.
- (8) The TÜV Hanover/Sachsen-Anhalt e.V., TÜV CERT-Zertifizierungsstelle, (TÜV CERT-certifying authority) certifies as qualified authority no. 0032 according to article 9 of the directive of the European Council dated 23rd March 1994 (94/9/EC) that this device meets the basic safety and health requirements for the design and construction of devices and protective systems to be duly used in potentially explosive atmospheres according to appendix II of the directive.

The results of the tests are described in the confidential test records no. 125/97/0212.

- (9) The basic safety and health requirements are met in accordance with
EN 50 014:1977 A1...A5 1.87 EN 50 020:1977 A1...A5 4.92
- (10) If the sign "X" is printed after the number of the certificates, special conditions for the safe operations of the device are mentioned in the appendix to this certificate.
- (11) This EC-test certificate for design samples only refers to the construction and design of the specified device according to the directive 94/9/EC. Further requirements included in this directive apply to the manufacturing, marketing and selling of this device.
- (12) The device must be marked with the following:

Ex II 2 G EEx ib IIC T 5

TÜV Hanover/Sachsen-Anhalt e.V.
TÜV CERT-Zertifizierungsstelle (certifying authority)
Am TÜV 1
D-30519 Hanover

Hanover, 27th August 1997

(signature)
Chairman

TÜV Hanover/Sachsen-Anhalt e.V.

(13) **APPENDIX**

(14) **EC-Test Certificate for Design Samples no. TÜV 97 ATEX 1197 X**

(15) Description of the device

The handheldmanometer type EX-HM28 is a battery operated hand-instrument for the measuring of differential pressure.

The instrument may be operated in potentially explosive atmospheres of zone 1. The gases to be measured must not be explosive or must not form an explosive mixture when air or oxygen is added.

Maximum ambient temperature is 50° C.

Electrical data

Supply a 9 V block battery; IEC-type LR22 or 6LR61
(internal cell)

(16) Test papers that consist of two drawings and an EC-test certificate are listed in the test record.

(17) Particular conditions

The batteries are only to be replaced outside potentially explosive atmospheres.

(18) Basic safety and health requirements

None.

Certified English Translation

The translation of the official document issued in German language is TRUE, CORRECT, and COMPLETE to the best of my knowledge.

Sersheim, 16th February 1998

Claudia Salamon
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(signature)

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