

Translation of a document from German into English

Physikalisch-Technische Bundesanstalt (PTB)
[approx. Physical-Technical Federal German Institute]
Braunschweig and Berlin

- (1) **EC Prototype Test Certificate**
- (2) Equipment and protection systems used for the purpose it was built in explosion-hazardous areas – Directive 94/9/EC
- (3) EC Prototype Test Certificate Number
PTB 01 ATEX 2018
- (4) Instrument: Magnet testing pen, Type Magnet – Ex 12
- (5) Manufacturer: ECOM Rolf Nied GmbH
- (6) Address: Industriestrasse 2, 97959 Assamstadt, Germany
- (7) The type of this instrument as well as the different approval versions are determined in the Appendix to this Prototype Test Certificate.
- (8) The Physikalisch-Technische Bundesanstalt (PTB) certifies as the named agency No. 0102 in accordance with Article 9 of the Directives of the Council of the European Communities of 23 March 1994 (94/9/EC) the fulfilment of the basic safety and health requirements for the conception and construction of equipment and protective systems for use for the purpose it is build in explosion-hazardous areas in accordance with Appendix II of the Directive.

The results of the test are laid down in the confidential test report PTB Ex 01-20462.

- (9) The basic safety and health requirements are fulfilled in conformity with
EN 50014: 1997 + A1 + A2 EN 50020:1994
- (10) Should the letter "X" be entered behind the certification number this indicates special conditions for the safe use of the instrument in the appendix to this certificate.
- (11) This EC Prototype Test Certificate refers only to the conception and construction of the determined instrument in accordance with Directive 94/9/EC. Further requirements under this directive are applicable for the production and distribution of this instrument.
- (12) The instrument marking must contain the following details:

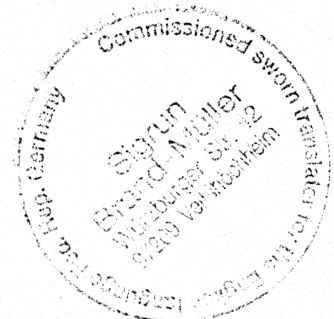
⊕ II 2 G EEx ia IIC T4

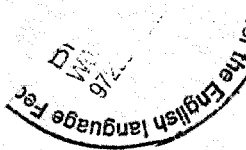
Certification Agency for Explosion Protection
By Order:

Braunschweig, 20.03.2001

Signature: illegible
Dr.-Ing. U. Johannsmeyer
Government Director

Round seal: Physikalisch-Technische Bundesanstalt (PTB)
Braunschweig and Berlin





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- (13) **Appendix**
- (14) **EC Prototype Test Certificate PTB 01 ATEX 2018**
- (15) Description of instrument

Magnet testing pen, Magnet – Ex 12, serves for function testing of solenoid valves in explosion-hazardous areas. The test is carried out without contact whereby the illumination of the test pen tip indicates the existence of a magnetic field.

The type of protection of the instrument is as follows:
II 2 G EEx ia IIC T4.

The permissible ambient temperature is as follows:
–20°C to +50°C

Electrical data

Power supply: $U_{max} \leq 3.3 \text{ V}$
2 only Standard AAA batteries LR03/R03 (primary cells)

- (16) Test report PTB Ex 01-20462
- (17) Special conditions
none
- (18) Basic safety and health requirements
Covered by the above-mentioned standards

Certification Agency for Explosion Protection
By Order:

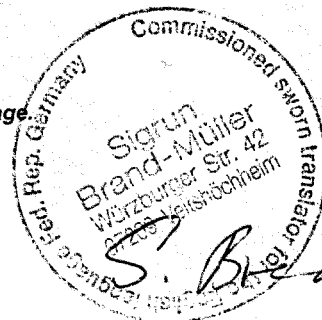
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*I hereby certify that this is a true and complete translation of a document in the German language.
D-97209 Veitshöchheim, November 8, 2001*



S. Brand-Müller