



Translation

(1) **EC-TYPE EXAMINATION CERTIFICATE**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres - **Directive 94/9/EC**



(3) EC-Type Examination Certificate Number

**TÜV 04 ATEX 2530**

(4) Equipment: Inclinometer type NDW II-Ex

(5) Manufacturer: NIVUS GmbH

(6) Address: D-75031 Eppingen, Im Täle 2

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

(8) The TÜV NORD CERT GmbH & Co. KG, TÜV CERT-Certification Body, notified body number 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 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 the confidential report N° 04 YEX 551519.

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

**EN 50 014: 1997 + A1 + A2**

**EN 50 020: 2002**

(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 in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

 **II 2 G EEx ib IIB T4**

TÜV NORD CERT GmbH & Co. KG  
TÜV CERT-Certification Body  
Am TÜV 1  
D-30519 Hannover  
Tel.: 0511 986-1470  
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Hanover, 2004-06-02

  
Head of the  
Certification Body





## SCHEDULE

(13)

(14) **EC-TYPE EXAMINATION CERTIFICATE N° TÜV 04 ATEX 2530**

(15) Description of equipment

The inclinometer type NDW II-Ex is used for the detection of angles and angles changes in hazardous explosive areas.

The permissible ambient temperature range is  $-25^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

Electrical data

Supply and signal circuit  
(prefabricated cable)

in type of protection Intrinsic Safety EEx ib IIB  
only for the connection of certified intrinsically safe circuit with  
the following maximum values:

$U_i = 28 \text{ V}$

$I_i = 110 \text{ mA}$

effective internal capacitance  $C_i \leq 15 \text{ nF}$

effective internal inductance  $L_i \leq 0,5 \text{ mH}$

(16) Test documents are listed in the test report No.: 04 YEX 551519.

(17) Special conditions for safe use

none

(18) Essential Health and Safety Requirements

no additional ones