

[1] EC TYPE-EXAMINATION CERTIFICATE

[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC

- [3] EC-Type Examination Certificate Number: **Nemko 08ATEX1098**
- [4] Equipment or Protective System: **Gas Detector**
- [5] Applicant: **Henan Hanwei Electronics Corp. Ltd.**
[6] Address: **No. 169 Xuesong Road, National Hi-Tech Zone,
Zhengzhou 45001,
P.R.CHINA**
- [5] Manufacturer: **Henan Hanwei Electronics Corp. Ltd.**
[6] Address: **No. 169 Xuesong Road, National Hi-Tech Zone,
Zhengzhou 45001,
P.R.CHINA**
- [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] Nemko AS, notified body number 0470 in accordance with Article 9 of 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. **111341**
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
CENELEC EN 60079-0: 2004 and CENELEC EN 60079-1: 2004
- [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****Ex d IIC T6, -20°C ≤ Ta ≤ + 60°C**

Oslo, 2008-11-03



Rolf Hoel
Certification Manager, Ex-products

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[13] Schedule**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 08ATEX1098****[15] Description of Equipment or Protective System**

This Certificate covers a type of gas detector with two incorporated cable entries.

Type Designation

TC100N

Technical Data

Power supply: DC24V±25% max. 80mA

Power Consumption: max. 2W

Degree of Protection

IP55 according to EN 60529

[16] Report No. 111341

Name/Number	Rev.	Date	Title/Description	Sheets
HHD-TC100N-001	-	2007-07-15	General assembly drawing	1
HHD- TC100N-001-001	-	2007-07-15	Sintered metal plate	1
HHD- TC100N-001-002	-	2007-07-15	Sensor protecting cover	1
HHD- TC100N-001-003	-	2007-07-15	Sensor protecting head	1
HHD- TC100N-001-004	-	2007-07-15	Outlet nut	1
HHD- TC100N-001-005	-	2007-07-15	Gasket	1
HHD- TC100N-001-006	-	2007-07-15	Rubber sealed circle	1
HHD- TC100N-001-007	-	2007-07-15	Plate	1
HHD- TC100N-001-008	-	2007-07-15	Uper shell	1
HHD- TC100N-001-009	-	2007-07-15	Circuit board bracket	1
HHD- TC100N-001-010	-	2007-07-15	Lower base	1
HHD- TC100N-001-011	-	2007-07-15	Sealed moulding	1

[17] Special Conditions for Safe Use

None

[18] Essential Health and Safety Requirements

See item 9

The measuring function according to Annex II paragraph 1.5.5 of the Directive is not matter of this EC-type examination.

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