

[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 08ATEX1098X** Issue 1
- [4] Equipment or Protective System: **Gas Detector**
- [5] Applicant/ 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. **D0001965**
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN 60079-0: 2012, EN 60079-1: 2007, EN 60079-1: 2014**
- [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 2G

Ex d IIC T6 Gb, -20°C ≤ Ta ≤ + 60°C

Oslo, 2014-10-21

Bjørn Spongsveen
Certification Manager

[13] Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE No** **Nemko 08ATEX1098X** **Issue 1**

[15] **Description of Equipment or Protective System**

This Certificate covers a type of Gas detector.

Type Designations

TC100N

Technical Data

Power supply: DC24V±25% max. 80mA

Power Consumption: max. 2W

Ingress Protection Code

IP55 according to EN 60529

[16] **Report No. D0001965**

Descriptive Documents

Name/Title	Drawing No.	Rev.	Date	Sheets
General assembly drawing	HHD-TC100N-001	-	2007-07-15	1
Sintered metal plate	HHD- TC100N-001-001	-	2007-07-15	1
Sensor protecting cover	HHD- TC100N-001-002	-	2007-07-15	1
Sensor protecting head	HHD- TC100N-001-003	-	2007-07-15	1
Outlet nut	HHD- TC100N-001-004	-	2007-07-15	1
Gasket	HHD- TC100N-001-005	-	2007-07-15	1
Rubber sealed circle	HHD- TC100N-001-006	-	2007-07-15	1
Plate	HHD- TC100N-001-007	-	2015-09-20	1
Uper shell	HHD- TC100N-001-008	-	2007-07-15	1
Circuit board bracket	HHD- TC100N-001-009	-	2007-07-15	1
Lower base	HHD- TC100N-001-010	-	2007-07-15	1
Sealed moulding	HHD- TC100N-001-011	-	2007-07-15	1

Certificate History and Associated Nemko Reports

Issue	Date	Report	Description
0	2007-10-10	90807	Prime Certificate released
1	2015-10-21	D0001965	Updated to new editions of standards

[17] **Special Conditions for Safe Use**

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

[18] **Essential Health and Safety Requirements**

See item 9