

[1] EU-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 2014/34/EU

- [3] EU-Type Examination Certificate Number: **Nemko 12ATEX1040** Issue 1
- [4] Equipment or Protective System: **Portable Gas Detector**
- [5] Applicant/ Manufacturer: **Hanwei Electronics Group Corporation**
[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 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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. **D0003692**
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN 60079-0: 2012+A11:2013, EN 60079-11: 2012**
- [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 EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- [12] The marking of the equipment or protective system shall include the following:



II 1G

Ex ia IIC T4 Ga, Ta : -20°C to + 55°C

Oslo, 2018-12-19



Geir Hørthe
Certification Manager

[13] Schedule

[14] **EU-TYPE EXAMINATION CERTIFICATE No** **Nemko 12ATEX1040** **Issue 1**

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

This certificate covers an intrinsic safe portable gas detector for detection of the concentration of oxygen or toxic gas in air.

Type Designations

BX171

Technical Data

For only use with battery type CR123A by Panasonic with nominal voltage 3VDC. The battery shall not be re-charged or re-placed.

Ingress Protection Code

IP20

[16] **Report No. D0003692**

Descriptive documents

Name/Title	Drawing No.	Rev.	Date
BX171 nameplate	*HHD-BX171-001-013	1.03	2018-09-10
Instruction Manual	HHD-BX171-SMS-001	V1.00	2011-9-22
Product Description	HHD-BX171-RZ-001	V1.00	2011-9-22
General Assembly Drawing	HHD-BX171-001	V1.00	2010-4-2
Upper cover	HHD-BX171-001-001	V1.00	2010-4-2
Buckle	HHD-BX170-001-002	V1.00	2010-4-2
Button leg	HHD-BX171-001-006	V1.00	2010-4-2
Negative shrapnel	HHD-BX171-001-004	V1.00	2010-4-2
Positive shrapnel	HHD-BX171-001-005	V1.00	2010-4-2
Gas cover	HHD-BX171-001-003	V1.00	2010-4-2
PCB plate diagram	HHD-BX171-001-012	V1.00	2010-4-2
Bottom cover	HHD-BX171-001-002	V1.00	2010-4-2
Schematic Diagram	HHD-BX171-SCH-001	V1.00	2011-9-21
Main PCB BOM	HHD-KF-BX171-BOM-	V1.00	2011-9-22
Main PCB Drawing	HHD-BX171-PCB-001-	V1.00	2009-4-9
Epoxy resin embedment SOP	GY/HHD-ZY-000-0177-	V1.01	2011-9-22
Epoxy resin embedment SOP	GY/HHD-ZY-000-0177-	V1.01	2011-9-22

Certificate History and Associated Nemko Reports

Issue	Date	Report	Description
0	2012-07-26	203669	Prime Certificate released
1	2018-12-19	D0003692	Updated to new editions of standards

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

None

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

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9