



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

UNIT VERIFICATION

Certificate No.: **IECEX NEP 23.0028X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-10-16

Applicant: **Hong Kong Productivity Council**
HKPC Building
78 Tat Chee Avenue
Hong Kong 999077
China

Equipment: **Explosion Proof Enclosure for Sensor**

Serial number(s) or Unique Identification: **20230112001, 20230112002, 20230112003, 20230112004, 20230112005, 20230112006, 20230112007, 20230112008, 20230112009, 20230112010, 20230112011, 20230112012, 20230112013, 20230112014, 20230112015, 20230112016, 20230112017, 20230112018, 20230112019, 20230112020**

Type of Protection: **Ex db**

Marking: **Ex db IIC T6 Gb T_{amb}: +5°C ~+60°C**

Approved for issue on behalf of the IECEx
Certification Body:

Guo Aihua

Position:

General Manager

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

**Shanghai Inspection and Testing Institute of Instruments
and Automatic Systems Co., Ltd. (SITI/IAS)/
National Supervision and Inspection Center for Explosion
Protection and Safety of Instrumentation (NEPSI)
103 Cao Bao Road
Shanghai 200233
China**



SITI/IAS
Worldwide Access



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Manufacturer: **Hong Kong Productivity Council**
HKPC Building
78 Tat Chee Avenue
Hong Kong 999077
China

Manufacturing locations: **Hong Kong Productivity Council**
HKPC Building
78 Tat Chee Avenue
Hong Kong 999077
China

This Unit verification certificate is issued as verification that the Apparatus identified on page 1, was assessed and tested and found to comply with the IEC Standard list below. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[CN/NEP/ExTR23.0031/00](#)

Quality Assessment Report:

As this is a Unit Verification Certificate, no QAR is applicable as this certificate is specific to the items listed by serial number or other unique identification.



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The model HKPC_V1 Explosion proof enclosure for sensor is intended for using in Zone 1 & Zone 2 explosive atmospheres. The enclosure is made with AL6061. Consist of main body and top cover, there is a glass adhered on top cover and a holder press it on the back. There is a cable entry at top cover and will leave it empty. End users need use a suitable certified cable gland with marking equal to Ex db IIC or higher.

Totally 20 units for this unit verification which serial numbers are: SN.:20230112001, 20230112002, 20230112003, 20230112004, 20230112005, 20230112006, 20230112007, 20230112008, 20230112009, 20230112010, 20230112011, 20230112012, 20230112013, 20230112014, 20230112015, 20230112016, 20230112017, 20230112018, 20230112019, 20230112020.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Ambient temperature is +5°C to +60°C.
2. Flameproof joints are not intended to be repaired.
3. The property class of 12 fasteners for fastening top cover on main body is A*-50 at least.
4. There is a cable entry but manufacturer does not provide a cable gland, the end user should choose a suitable IEC certified cable gland with an Ex marking equal to Ex db IIC or higher and installed in accordance with IEC60079-14.
5. The external earthing should be considered and installed according to user manual before use.