



# 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](http://www.iecex.com)

Certificate No.: **IECEX CQM 22.0038X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2023-05-18  
Applicant: **SHENZHEN YUANTE TECHNOLOGY CO., LTD.**  
Room 401, Bldg B No.7, Sanheyi New Village, Tongsheng Community, Dalang Street,  
Longhua District  
Shenzhen, Guangdong Province 518109  
**China**  
Equipment: **Fixed gas detector typed YT-98H-\*-\***  
Optional accessory:  
Type of Protection: **Flameproof enclosure db**  
Marking: **Ex db IIC T6 Gb**

Approved for issue on behalf of the IECEx  
Certification Body:

**Ji Xiaodong**

Position:

**President**

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

**China Quality Mark Certification Group Co., Ltd.**  
No. 33 Zengguang Road, Haidian District  
Beijing City, Postal code: 100048  
**China**





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Manufacturing locations: **SHENZHEN YUANTE TECHNOLOGY CO., LTD.**  
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This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. 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 60079-1:2014-06](#) 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/CQM/ExTR22.0047/00](#)

Quality Assessment Report:

[CN/CQM/QAR21.0004/01](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

YT-98H fixed gas detector is a fixed pump suction detection instrument used in complex working environments. The detector main structure consists of main body base, cover and sensor chamber, which are made of aluminum alloy ADC12 and AL6061. A tube is provided that the main chamber and the sensor chamber are interconnected. A tempered glass is cemented to the cover. There are threaded joints between main body base and cover, as well as between main body base and sensor chamber. The sensor chamber consists a front cover and a base and there is a threaded joint between them. A sintered filter element is press fitted to the cover of gas chamber. The wires of sensor chamber are connected to the main chamber through a bushing sealed by epoxy resin. The equipment has an ingress protection degree IP66 according to IEC 60529.

Nonmenclature: YT-98H-\*-, where \* does not related to flameproof structure.

The first \* can be any combination with 0~9 and A~Z or the molecular formula or combination of multiple gas molecular formulas or blank.

The second \* can be on character 0~9 or A~Z or blank, to present different output signal and different range of measurement.

Rated voltage: 12V-24V DC.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. The ambient temperature is -10°C~+55°C.
2. When installation and operation in hazardous area, the user shall install separated certified cable glands with M20×1.5-6g fulfils the requirements of Ex db IIC Gb. The cable glands shall be rated at least IP66.
3. The width of flameproof joint is more than the minimum values specified in IEC 60079-1 standard. Contact the original manufacturer for information of flameproof joint.
4. **WARNING –DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.**