

[1] **EU - TYPE EXAMINATION CERTIFICATE**
[2] **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU Annex III, Module B

[3] EU – Type Examination Certificate Number ACE25ATEX054X Rev00
[4] Product Point-type Toxic/Combustible Gas Detectors for Industrial and Commercial Model: G a – WRS b c d
[5] Manufacturer WAROM TECHNOLOGY INCORPORATED COMPANY
[6] Address No. 555 Baoqian Road, Jiading District, Shanghai, 201808 China

[7] This equipment or protective system and any acceptable variation there to are specified in the schedule to this certificate and the documents therein referred to.
[8] Advanced Consulting and Engineering Iberia SL (A.C.&E. Iberia S.L.), Notified body Accreditation nº: NB3024 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and 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.
EX_EXD029_25_25-1967, EX_EXT016_25_25-1967

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 : Explosive atmospheres — Part 0: Equipment — General requirements
EN 60079-1:2014: Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures ‘d’
EN 60079-31:2014: Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure ‘t’
[10] If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the point 17 of 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 2 G Ex db IIC T6 Gb, II 2 D Ex tb IIIC T80°C Db

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Date: 29/01/2026



**Advanced Consulting and Engineering
Iberia SL**

Notified Body No NB3024

Matteo Marconi, CEO

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[13]

SCHEDULE

[14]

EU-Type Examination Certificate No: ACE25ATEX054X Rev00

[15]

Description of equipment

Industrial and Commercial Point-type Toxic and Combustible Gas Detectors are composed of a detector enclosure, enclosure cover, and sensing chamber assembly. The product is designed in compliance with the explosion protection concepts “db” and “tb”. According to the display method, the detector is available in LCD display and LED digital display versions. The sensing chamber assemblies corresponding to the two display types are structurally different; however, both sensing chambers are sealed by resin potting.

The detector is provided with two cable entry ports, available in M20 × 1.5 or NPT 1/2 thread specifications. The cable entry devices used must be compatible with the explosion-proof rating of the detector and must be certified accordingly.

The product fulfills the requirements of IP66 according to IEC 60529.

Model/type reference: G a – WRS b c d

a represents the detected gas code, which can be T, Y, M, Q, TY, TM, TQ, YM, YQ, MQ, TYQ, TMQ, TYMQ.

b represents the display method, which can be 8(LED digital display), 9(LCD screen display).

c represents the alarm method, which can be 1(install an audible and visual alarm device that is certified for the explosion-proof rating of this product, enabling concentration display, LED status indication, and audible-visual alarm functions), 2 (with concentration display and LED status indication).

d represents the operating method, which can be 3(stand-alone), none (system-based).

Rating:

DC24V, DC12V, DC3.7V (system type)

AC85V~ AC265V (stand-alone type)

SPECIFIC CONDITIONS OF USE: YES as shown below:

- When the product is installed in explosive gas atmosphere, the separated certified cable gland and stopping plug fulfils the requirements of EN IEC 60079-0 and EN 60079-1 with Ex marking II 2 G Ex db IIC Gb and IP66 shall be incorporated;
- When the product is installed in combustible dust atmosphere, the separated certified cable gland and stopping plug fulfils the requirements of EN IEC 60079-0 and EN 60079-31 with Ex marking II 2 D Ex tb IIIC Gb and IP66 shall be incorporated

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[13] **SCHEDULE**

[14] EU – Type Examination Certificate No: ACE25ATEX054X Rev00

[16] Test documents are listed in the test report nº
EX_EXD029_25_25-1967, EX_EXT016_25_25-1967

[17] Special conditions for safe use
 1. Repairs of the flameproof joints may only be made by the manufacturer or on behalf of the manufacturer and on his own responsibility. Repair in compliance with the values in EN 60079-1 is not accepted.
 2. The ambient temperature range is limited to -40°C~+70°C.
 3. The equipment can only be wiped with wet cloth due to the potential electrostatic charging hazard

[18] Essential Health and Safety Requirements
Are fulfilled by the harmonized standard

[19] Documents and technical datasheets:

Title	Object	Revision	Date
Ga-WRS series(LED digital tube model)	620343002504	V2.0	2025.11.08
Warning sign	840865022101	Edition 1.0	2025.5.20
Tempered glass	880403018001	Edition 1.0	2025.5.20
Glass pressure ring	870091001801	Edition 1.0	2025.5.20
Sense chamber adapter cover	880171000101	Edition 1.0	2025.5.20
Sense chamber adapter	870004012701	Edition 1.0	2025.5.20
Sense chamber assembly	665343000303	Edition 1.0	2025.5.20
Explosion-proof disc pressure ring	850091001601	Edition 1.0	2025.5.20
Sintered metal microporous component	870339005001	Edition 1.0	2025.5.20
Enclosure cover	810313083701	Edition 1.0	2025.5.20
Enclosure(LED digital)	810003101503	Edition 1.0	2025.5.20
Control circuit board(LED digital)	665305011901	Edition 1.0	2025.5.20
Nameplate	870860145601	Edition 1.0	2025.5.20
Display board(LED digital) explosion-proof Distribution Panel	665305011801	Edition 1.0	2025.5.20
Circuit board assembly (LED digital)	665305011202	Edition 1.0	2025.5.20
Ga-WRS Series (LCD liquid crystal model)	620343002502	Edition 2.0	2025.11.08

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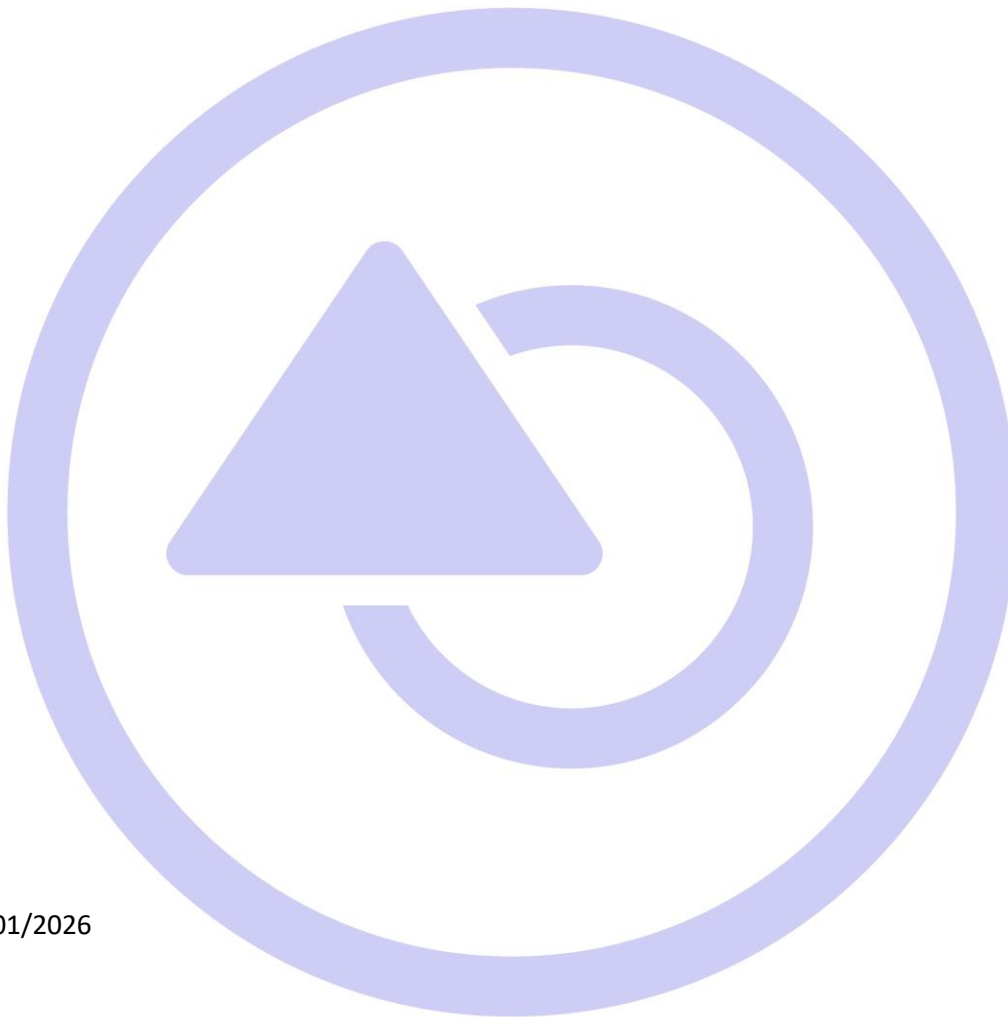
Tempered glass	880403018001	Edition 1.0	2025.5.20
Glass pressure ring	870091001801	Edition 1.0	2025.5.20
Sensor mounting bracket	870004004101	Edition 1.0	2025.5.20
Sensor sleeve	880100000201	Edition 1.0	2025.5.20
Senser enclosure	870004006601	Edition 1.0	2025.5.20
Sensor assembly	665447002401	Edition 1.0	2025.5.20
Sense chamber adapter	870004004501	Edition 1.0	2025.5.20
Sense chamber assembly	665343001301	Edition 1.0	2025.5.20
Sintered metal microporous component	870339004801	Edition 1.0	2025.5.20
Enclosure cover	810313083701	Edition 1.0	2025.5.20
Enclosure (LCD type)	810003101501	Edition 1.0	2025.5.20
Circuit board assembly(LCD model)	665305011201	Edition 1.0	2025.5.20
Pressure plate(explosion-proof sheet fastener)	860370055101	Edition 1.0	2025.5.20
INSTRUCTION	620463005201	Rev 2.0	2025.11.08
IECEX test report	IECEX Test report number: CN/NEP/ExTR25.0073/00 Testing Laboratory: Shanghai Inspection and Testing Institute of Instruments and Automatic Systems Co., Ltd. (SITIIAS)/National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation (NEPSI)	00	2025.10.22

The above-mentioned documents are strictly confidential and they are of only use of authorities.
A copy of the documents is saved by A.C.&E. Iberia S.L.

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[20] Certificate History

Certificate Number	Rev.	Comments	Date
ACE25ATEX054X	00	First emission	29/01/2026



Date: 29/01/2026



**Advanced Consulting and Engineering
Iberia SL**
Notified Body No NB3024

Matteo Marconi, CEO

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