

[1] **EU - TYPE EXAMINATION CERTIFICATE**

[2] **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU

- [3] EU – Type Examination Certificate Number ACE26ATEX028X Rev00
- [4] Product Explosion-proof oil spill detector camera Model: NT100-L*
- [5] Manufacturer Tongxin Intelligent Technology (Tianjin) Co.,Ltd.
- [6] Address Room 404, Block 1, Chuangzhan Building, 334
Animation Middle Road, Sino-Singapore Tianjin Eco-city, Binhai New Area, Tianjin 300450
- [7] This equipment or protective system and any acceptable variation thereto 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 the confidential Report nº. EX_GEN017_26_26-947, EX_EXD013_26_26-947, EX_EXT011_26_26-947
- [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 2G Ex db IIC T6 Gb, II 2D Ex tb IIIC T80°C Db

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Date: 14/07/2026



Advanced Consulting and Engineering
Iberia SL
Notified Body No NB3024
Matteo Marconi, CEO

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[13]

SCHEDULE

[14]

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[15] Description of equipment

1. NT100 series Explosion-proof oil spill detector camera has one compartment with type of protection "db", "tb". The equipment is mainly composed of a main cylinder body, a main cylinder front cover and a main cylinder rear cover which are made of stainless steel SUS316 and a light transmitting part which is made of quartz glass. Terminals, camera, oil spill detector and power source are mounted within the compartment. There is a thread entry hole provided on the enclosure, which is used certified cable gland (with sealing ring in silicone) under INERIS 12ATEX0032X, see the following table of Ex components for more details.

The difference between NT100-LD and NT100-LS is that type NT100-LD has a fill light compartment which consists of fill light cylinder body, fill light end cover and fill light glass, fill light is mounted within the fill light cylinder body. The fill light cylinder body is welded on the main cylinder body form a compartment with the main cylinder body.

2. Nomenclature:

NT100-L *

(1)

(1) Product types: S (S type), D (D type)

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SCHEDULE

[14]

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Test documents are listed in the test report nº
EX_GEN017_26_26-947, EX_EXD013_26_26-947, EX_EXT011_26_26-947

[17]

Special conditions for safe use
In order to avoid the possibility of transmission of an internal explosion to the external potentially explosive atmosphere after a repair of the flameproof joints, the flameproof joints are not intended to be repaired.

[18]

Essential Health and Safety Requirements
Are fulfilled by the harmonized standard

[19]

Documents and technical datasheets:

Title	Object	Revision	Date
Glass bonding process	G/TX.003-2025	A/0	2025.5.10
Drawing list	Z05-CTGB-RD-2025-2TM	V0	2025.5.10
Final assembly drawing	Z05-CTGB-RD-2025-201	V0	2025.5.10
Final assembly drawing	Z05-CTGB-RD-2025-202	V0	2025.5.10
Main cylinder body	Z05-CTGB-RD-2025-203	V0	2025.5.10
Main cylinder body	Z05-CTGB-RD-2025-204	V0	2025.5.10
Main cylinder front cover	Z05-CTGB-RD-2025-205	V0	2025.5.10
Main cylinder rear cover	Z05-CTGB-RD-2025-206	V0	2025.5.10
Fill light cylinder body	Z05-CTGB-RD-2025-207	V0	2025.5.10
Fill light end cover	Z05-CTGB-RD-2025-208	V0	2025.5.10
Main cylinder flat glass	Z05-CTGB-RD-2025-209	V0	2025.5.10
Main cylinder glass pad	Z05-CTGB-RD-2025-210	V0	2025.5.10
Main cylinder glass pressing ring	Z05-CTGB-RD-2025-211	V0	2025.5.10
Fill light glass	Z05-CTGB-RD-2025-212	V0	2025.5.10
Camera mounting plate	Z05-CTGB-RD-2025-213	V0	2025.5.10
Mounting plate	Z05-CTGB-RD-2025-214	V0	2025.5.10
Nameplate	Z05-CTGB-RD-2025-215	V0	2025.5.10
Fill light pressing ring	Z05-CTGB-RD-2025-216	V0	2025.5.10
Fill light glass pad	Z05-CTGB-RD-2025-217	V0	2025.5.10
Device power consumption report	GH/TX.001-2025	A/0	2025.5.10
CXK-666/6060 cemented material datasheet	/	/	/
Performance test report of NBR	/	/	/

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Performance test report of silicone	/	/	/
204-1 anti-rust grease datasheet	/	/	/
SUS 316L datasheet	/	/	/
Test report of detector (Type:NT)	W02614100058E	/	2026.1.30
User Manual	S/TX.005-2025	A/0	2025.5.10

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

[20] Declaration of conformity History

Number of certificate	Rev.	Comments	Date
ACE26ATEX028X	00	First emission	14/07/2026

Date: 14/07/2026



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

Matteo Marconi, CEO

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