

[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 ACE25ATEX027X Rev00
- [4] Product Temperature Sensor/Temperature Transmitter Model *-W*K**-**0
- [5] Manufacturer Zhejiang Lunte Electromechanical Co.,Ltd
- [6] Address Chengdong Road, Hongqiao Town, Yueqing City, Zhejiang Province, 325600 ,P.R. 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_EXI006_25_25-1237, EX_EXT017_25_25-1237
- [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 60079-11: 2013 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety ‘i’
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:



See the clause 15

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Date: 13/04/2026



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

Matteo Marconi, CEO

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SCHEDULE

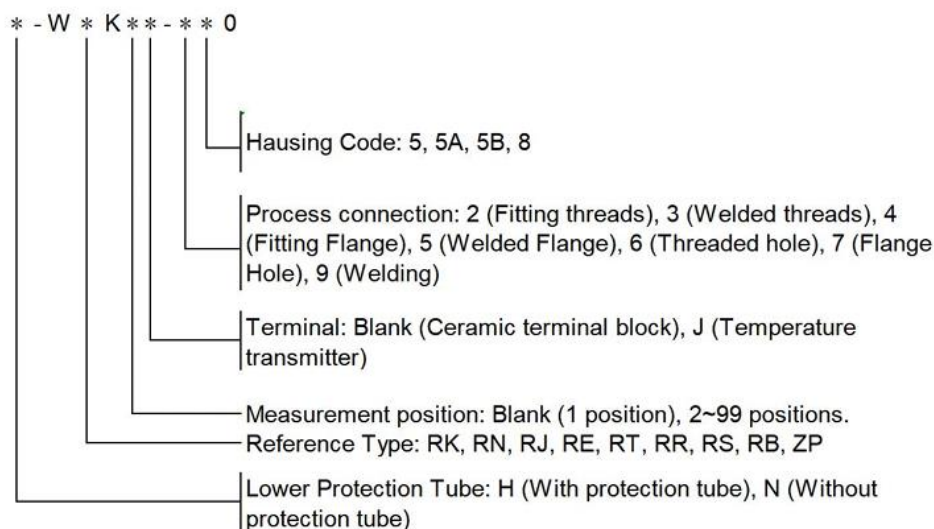
[14]

EU-Type Examination Certificate No: ACE25ATEX027X Rev00

[15]

Description of equipment

1. Nomenclature:



2. Ratings

When the product are not installed with temperature transmitter, the relation between type of transmitter and Ex marking are as following:

II 2G Ex ia IIC T₆...T₁ Ga

II 2D Ex ia IIIC T₂₀₀80°C...T₂₀₀440°C Da

I.S. parameters for RTD					
Ui	li	Pi	Ci	Li	
6.5V	9.7mA	15.8mW	0nF	0mH	
I.S. parameters for thermocouple					
Ui	li	Pi	Ci	Li	
6.5V	1.4mA	2.3mW	0nF	0mH	
Relation between ambient temperature and temperature class					
Ta=-40°C~60°C		T4/T ₂₀₀ 130°C		Ta=-40°C~40°C	T6/T ₂₀₀ 80°C
Temperature of the process connection exposed to explosive atmosphere when Tamax=+60°C					
75°C	90°C	125°C	190°C	285°C	435°C
T4/T ₂₀₀ 130°C	T4/T ₂₀₀ 130°C	T4/T ₂₀₀ 130°C	T3/T ₂₀₀ 195°C	T2/T ₂₀₀ 290°C	T1/T ₂₀₀ 440°
Temperature of the process connection exposed to explosive atmosphere when Tamax=+40°C					
75°C	90°C	125°C	190°C	285°C	435°C
T6/T ₂₀₀ 80°C	T5/T ₂₀₀ 95°C	T4/T ₂₀₀ 130°C	T3/T ₂₀₀ 195°C	T2/T ₂₀₀ 290°C	T1/T ₂₀₀ 440°

Separated certified temperature transmitters are intended to be installed. The relation between type of transmitter and Ex marking are as following:

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When temperature transmitter YTA610(FM16ATEX0019X) is used,
Ex marking: Ex ia IIC T5...T1 Ga, Ex ia IIIC T135°C...T440°C Db

I.S. parameters					
Ui	Ii	Pi	Ci	Li	
30V	200mA	1.0mW	22nF	0mH	
Relation between ambient temperature and temperature class					
Ta=-40°C~60°C		T4	Ta=-40°C~40°C		T5
Temperature of the process connection exposed to explosive atmosphere when Tamax=+60°C					
75°C	90°C	125°C	190°C	285°C	435°C
T4/T130°C	T4/T135°C	T4/T135°C	T3/T195°C	T2/T290°C	T1/T440°
Temperature of the process connection exposed to explosive atmosphere when Tamax=+40°C					
75°C	90°C	125°C	190°C	285°C	435°C
T5/T135°C	T5/T135°C	T4/T135°C	T3/T195°C	T2/T290°C	T1/T440°

When temperature transmitter TMT82(EPS 17 ATEX 1 074X, with separate housing)with display TID10 is used,
Ex marking: Ex ia IIC T6...T1 Gb, Ex tb IIIC T85°C...T440°C Db

I.S. parameters					
Ui	Ii	Pi	Ci	Li	
30V	130mA	0.8mW	0nF	0mH	
Relation between ambient temperature and temperature class					
Ta=-40°C~60°C		T6/T85°C		Ta=-40°C~60°C	T4/T85°C
Temperature of the process connection exposed to explosive atmosphere when Tamax=+60°C					
75°C	90°C	125°C	190°C	285°C	435°C
T4/T85°C	T4/T95°C	T4/T130°C	T3/T195°C	T2/T290°C	T1/T440°
Temperature of the process connection exposed to explosive atmosphere when Tamax=+40°C					
75°C	90°C	125°C	190°C	285°C	435°C
T6/T85°C	T5/T95°C	T4/T130°C	T3/T195°C	T2/T290°C	T1/T440°

When temperature transmitter TMT82(EPS 17 ATEX 1 074X, headmount)without display is used, Ex marking:
Ex ia IIC T6...T1 Gb

I.S. parameters					
Ui	Ii	Pi	Ci	Li	
30V	130mA	0.8W	0nF	0mH	
Relation between ambient temperature and temperature class					
Ta=-40°C~60°C		T6	Ta=-40°C~60°C		T4
Temperature of the process connection exposed to explosive atmosphere when Tamax=+60°C					
75°C	90°C	125°C	190°C	285°C	435°C
T4	T4	T4	T3	T2	T1
Temperature of the process connection exposed to explosive atmosphere when Tamax=+40°C					
75°C	90°C	125°C	190°C	285°C	435°C
T6	T5	T4	T3	T2	T1

When temperature transmitter 3144PHART(Baseefa03ATEX0708X),3144P Fieldbus(Baseefa03ATEX0708X) or 644(IECEXBAS12.0069X) is used, Ex marking: Ex ia IIC T6...T1Ga.

I.S. parameters 3144PHART(Baseefa03ATEX0708X)				
Ui	Ii	Pi	Ci	Li
30V	300mA	1W	5nF	0mH
I.S. parameters 3144P Fieldbus(Baseefa03ATEX0708X)				

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Ui	Ii	Pi	Ci	Li
30V	300mA	1.3W	2.1nF	0mH
I.S. parameters 644(IECExBAS12.0069X)				
Ui	Ii	Pi	Ci	Li
30V	190mA	0.67W	3.3nF	0mH
Relation between ambient temperature and temperature class				
Ta=-40°C~60°C		T6	Ta=-40°C~60°C	T4
Temperature of the process connection exposed to explosive atmosphere when Tamax=+60°C				
75°C	90°C	125°C	190°C	285°C
435°C				
T4	T4	T4	T3	T2
T1				
Temperature of the process connection exposed to explosive atmosphere when Tamax=+40°C				
75°C	90°C	125°C	190°C	285°C
435°C				
T6	T5	T4	T3	T2
T1				

When transmitter 248H(Baseefa18ATEX0090X) is used, Ex marking: Ex ia IIC T6...T1 Ga.

I.S. parameters					
Ui	Ii	Pi	Ci	Li	
30V	266mA	1W	0nF	0mH	
Relation between ambient temperature and temperature class					
Ta=-40°C~60°C		T6		Ta=-40°C~60°C	T4
Temperature of the process connection exposed to explosive atmosphere when Tamax=+60°C					
75°C	90°C	125°C	190°C	285°C	435°C
T4	T4	T4	T3	T2	T1
Temperature of the process connection exposed to explosive atmosphere when Tamax=+40°C					
75°C	90°C	125°C	190°C	285°C	435°C
T6	T5	T4	T3	T2	T1

When transmitter TMT182B(EPS 18 ATEX 1 049X) is used, Ex marking: Ex ia IIC T6...T1 Ga

I.S. parameters					
Ui	Ii	Pi	Ci	Li	
30V	100mA	0.8W	0nF	0mH	
Relation between ambient temperature and temperature class					
Ta=-40°C~60°C		T6	Ta=-40°C~60°C		T4
Temperature of the process connection exposed to explosive atmosphere when Tamax=+60°C					
75°C	90°C	125°C	190°C	285°C	435°C
T4	T4	T4	T3	T2	T1
Temperature of the process connection exposed to explosive atmosphere when Tamax=+40°C					
75°C	90°C	125°C	190°C	285°C	435°C
T6	T5	T4	T3	T2	T1

When transmitter 5335D(DEKAR 20ATEX0108X) is used, Ex marking: Ex ia IIC T6...T1 Ga, Ex ia IIIC T80°C...T440°C Db.

I.S. parameters				
Ui	Ii	Pi	Ci	Li
30V	120mA	0.84W	1nF	0mH
Relation between ambient temperature and temperature class				
Ta=-40°C~60°C		T6/T80°C	Ta=-40°C~60°C	T4/T130°C
Temperature of the process connection exposed to explosive atmosphere wthen Tamax=+60°C				

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75°C	90°C	125°C	190°C	285°C	435°C
T4/T130°C	T4/T130°C	T4/T130°C	T3/T195°C	T2/T290°C	T1/T440°C
Temperature of the process connection exposed to explosive atmosphere when Tamax=+40°C					
75°C	90°C	125°C	190°C	285°C	435°C
T6/T80°C	T5/T95°C	T4/T130°C	T3/T195°C	T2/T290°C	T1/T440°C

When transmitter NTM3(TUV 23 ATEX 9017X) is used, Ex marking: Ex ia IIC T6...T1 Ga, Ex ia IIIC

T80°C...T440°C Db

I.S. parameters					
Ui	li	Pi	Ci	Li	
30V	120mA	0.9W	0nF	0mH	
Relation between ambient temperature and temperature class					
Ta=-40°C~60°C		T6/T80°C		Ta=-40°C~60°C	T4/T130°C
Temperature of the process connection exposed to explosive atmosphere wthen Tamax=+60°C					
75°C	90°C	125°C	190°C	285°C	435°C
T4/T130°C	T4/T130°C	T4/T130°C	T3/T195°C	T2/T290°C	T1/T440°C
Temperature of the process connection exposed to explosive atmosphere wthen Tamax=+40°C					
75°C	90°C	125°C	190°C	285°C	435°C
T6/T80°C	T5/T95°C	T4/T130°C	T3/T195°C	T2/T290°C	T1/T440°C

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SCHEDULE

[14]

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Test documents are listed in the test report nº
EX_EXI006_25_25-1237, EX_EXT017_25_25-1237

[17]

Special conditions for safe use

1. The ambient temperature range: T4: -40°C ~60°C, T5/T6: -40°C ~40°C, IIIC: -30°C ~60°C.
2. The influence of external heating source should be considered, when the product does not installed with temperature transmitter, following table is fulfilled:

Temperature of the process connection exposed to explosive atmosphere	Temperature class
75°C	T6/T80°C
90°C	T5/T95°C
125°C	T4/T130°C
190°C	T3/T195°C
285°C	T2/T290°C
435°C	T1/T440°C

3. For product with EPL Db, only cable glands, thread adapters, and blanking elements conforming to EN IEC 60079-0 shall be used with the apparatus.

4. When the product is installed with separated certified temperature transmitter, refer to the tables above for the related between type of transmitter, Ex marking and intrinsic safety parameters.

[18]

Essential Health and Safety Requirements
Are fulfilled by the harmonized standard

[19]

Documents and technical datasheets:

Title	Object	Revision	Date
User Manual	ZJLT-JS-IASMS-01	A/0	/
TemperatureSensor/TemperatureTransmitter	LT007.A.400.0, LT008.A.200.0, LT009.A.600.0, LT010.A.700.0, LT011.A.900.0, LT012.A.200.0, LT050.A.400.0, LT007.A.400.1	A	2025.09.27
Nameplate	LT007.A.400.1-1	A	2025.09.27
Nameplate	LT043.A.400.1-1	A	2025.09.27
TemperatureSensor/TemperatureTransmitter	LT043.A.400.0, LT044.A.200.0, LT045.A.600.0, LT046.A.700.0,	A	2025.09.27

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	LT047.A.900.0, LT048.A.200.0, LT054.A.400.0, LT043.A.400.1		
Nameplate	LT031.A.900.1-1	A	2025.09.27
TemperatureSensor/TemperatureTransmitter	LT031.A.900.0, LT032.A.400.0, LT033.A.300.0, LT034.A.500.0, LT035.A.200.0, LT036.A.500.0, LT031.A.900.1	A	2025.09.27
TemperatureSensor/TemperatureTransmitter	LT013.A.400.0, LT014.A.200.0, LT015.A.600.0, LT016.A.700.0, LT017.A.900.0, LT018.A.200.0, LT052.A.400.0	A	2025.09.27
IECEX test report	IECEX Test report number: CN/CQM/ExTR25.0043 Testing Laboratory: Suzhou Electrical Apparatus Science Research Institute Co., Ltd.(EETI)	00	2025.11.15

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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Certificate History

Certificate Number	Rev.	Comments	Date
ACE25ATEX027X	00	First emission	13/04/2026

Date: 13/04/2026



Advanced Consulting and Engineering

Iberia SL

Notified Body No NB3024

Matteo Marconi, CEO

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