



# 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 TUR 17.0001X** Page 1 of 4 Certificate history:  
Issue 0 (2018-01-09)

Status: **Current** Issue No: 1

Date of Issue: 2020-07-15

Applicant: **TOP HI-TECH**  
9F., No.1, Zhongshan Rd., Tucheng Dist., New Taipei City 23680  
Chinese Taipei

Equipment: **Cable Glands for steel wire armoured cable**

Optional accessory: **THT-2A\*UX\*\***

Type of Protection: **Equipment protection by flameproof enclosures "d", Equipment protection by increased safety "e" and  
Equipment dust ignition protection by enclosure "t"**

Marking: Ex db IIC Gb  
Ex eb IIC Gb  
Ex tb IIIC Db

Approved for issue on behalf of the IECEx  
Certification Body:

**Dipl.-Ing. Yang Wang**

Position:

**Assigned Certifier**

Signature:  
(for printed version)

Date:

2020.07.15

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Am Grauen Stein  
51105 Cologne  
Germany





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Page 2 of 4

Date of issue: **2020-07-15**

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Manufacturer: **TOP HI-TECH**  
9F., No.1, Zhongshan Rd., Tucheng Dist., New Taipei City 23680  
**Chinese Taipei**

Additional  
manufacturing  
locations:

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

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

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 Reports:

[DE/TUR/ExTR17.0001/00](#)

[DE/TUR/ExTR17.0001/01](#)

Quality Assessment Report:

[DE/TUR/QAR13.0016/03](#)



# IECEX Certificate of Conformity

Certificate No.: **IECEX TUR 17.0001X**

Page 3 of 4

Date of issue: **2020-07-15**

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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Cable Glands for steel wire armoured cable, type THT-2A\*UX\*\*, is designed according to the standard structure of the IEC 60079-0, IEC 60079-1, IEC 60079-7 and IEC 60079-31. The suitable hazardous areas are zone1, zone2, zone21 and zone22.

The cable gland is made by SUS 304. It is used for all types of steel wire armoured cables. The detailed installation instructions are referred to the user manual.

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

1. The cable glands shall be applied for armoured cables application only.
2. The cable glands are intended use in service temperature range -40°C~95°C.
3. Cables must be effectively clamped to prevent pulling or twisting.



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Certificate No.: **IECEX TUR 17.0001X**

Page 4 of 4

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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1.Update standard to IEC 60079-0 Edition 7

2.Update standard to IEC 60079-7:2015+A1:2017 Edition 5.1

3.Applicant address and manufacturer address changed

4.Add new models provided with Metric and NPT threads. It shares the similar range of armoured cable related to the same body size.  
Adding new models of threads type and size:

Model No.	Thread size C.
THT-2AM020UX172800	M20
THT-2AN034UX150800	NPT3/4"
THT-2AM025UX172800	M25
THT-2AM025UX172801	M25
THT-2AN100UX150900	NPT1"
THT-2AM032UX172800	M32
THT-2AN114UX150500	NPT1-1/4"
THT-2AM040UX172800	M40
THT-2AN112UX151000	NPT1-1/2"
THT-2AM050UX172800	M50

Refer to the user manual for detailed model list.

## Annex:

[DE-IECEX\\_TUR\\_17.0001X\\_01\\_Attachment\\_2020-07-15.pdf](#)



Attachment to Certificate  
IECEX TUR 17.0001X  
Revision 1

Attachment to Certificate IECEX TUR 17.0001X

**Device:** Cable Glands for steel wire armoured cable  
Model THT-2A\*UX\*\*

**Manufacturer:** TOP HI-TECH CO., LTD.

**Address:** 9F., No.1, Zhongshan Rd., Tucheng Dist., New Taipei City 23680,  
Chinese Taipei

**General product information:**

Description

Cable Glands for steel wire armoured cable, type THT-2A\*UX\*\*, is designed according to the standard structure of the IEC 60079-0, IEC 60079-1, IEC 60079-7 and IEC 60079-31. The suitable hazardous areas are zone1, zone2, zone21 and zone22.

The cable gland is made by SUS 304. It is used for all types of steel wire armoured cables. The detailed installation instructions are referred to the user manual.

Model designation:

Cable Glands for steel wire armoured cable. Type THT-2A\*UX\*\*

Model	THT	2A	N012	U	X	1504	00
	1	2	3	4	5	6	7

- 1 – Brand name
- 2 – Designates category of product, 2A = Cable glands for armoured cable.
- 3 – Thread type, N012 = NPT 1/2", N034 = NPT 3/4", N100 = NPT 1"  
N114 = NPT 1-1/4", N112 = NPT 1-1/2", M020=M20, M025=M25  
M032=M32, M040=M40, M050=M50
- 4 – Accessory type, U = Explosion proof accessories.
- 5 – Material, X = Stainless steel.
- 6 – Model name, 1504 = NPT 1/2", 1505 = NPT 1-1/4", 1508 = NPT 3/4"  
1509 = NPT 1", 1510 = NPT 1-1/2", 1728 = Metric thread type
- 7 – Series No.

**Environmental data**

Ambient temperature range -40°C to +95°C  
IP rating: IP65