



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx PRE 19.0031X

Issue No: 0

Certificate history:

[Issue No. 0 \(2019-09-19\)](#)

Status: **Current**

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Date of Issue: **2019-09-19**

Applicant: **Rotork YTC Limited**
81 Hwanggeum-ro 89 beon-gil
Yangchon-eup, Gimpo-si
Gyeonggi-do
Korea, Republic of

Equipment: **Smart Positioner Type YT-3300 / YT-3350**

Optional accessory:

Type of Protection: **Intrinsic safety**

Marking:

Ex ia IIC T5/T6 Gb
Ex ia IIIC T100°C/T85C Db

T5: Tamb -40°C to +60°C, T6: Tamb -40°C to +40°C,

T100 °C: Tamb -40 °C to +60 °C, T85°C: Tamb -40°C to +40°C

*Approved for issue on behalf of the IECEx
Certification Body:*

Asle Kaastad

Position:

Certification Manager

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

DNV GL Presafe AS
Veritasveien 3
1363 Høvik
Norway





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Manufacturer: **Rotork YTC Limited**
81 Hwanggeum-ro 89 beon-gil
Yangchon-eup, Gimpo-si
Gyeonggi-do
Korea, Republic of

Additional Manufacturing location(s):

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 apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*This Certificate **does not** indicate compliance with electrical 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:

[NO/PRE/ExTR19.0028/00](#)

Quality Assessment Report:

[DE/EPS/QAR11.0002/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The YT-3300 and YT-3350 are electro pneumatic / smart positioners to control linear and rotary valves. The pressure is regulated by an inductive torque motor and the position of the pneumatic valve is measured by a potentiometer. The equipment has FISCO connection.

2 conduit entries: YT-3300: G1/2, 1/2NPT or M20x1,5P threads. YT-3350: G1/2 threads. Ex "e" certified cable glands / blind plugs for gas and dust hazardous areas, that reflects the ingress protection (IP6X), shall be used.

Air connection: YT-3300: Rc 1/4, 1/4 NPT, G 1/4. YT-3350: 1/4 NPT

Gauge connection: YT-3300: Rc 1/8, 1/8 NPT. YT-3350: 1/8 NPT

Type Designation:

YT-3300 1 2 3 4 5 6 7 8 and YT-3350 1 2 3 4 5 6 7 8 series follows suffix symbols as follows:

1: *Motion type*

2: *Acting type*

3: *Explosion proof*

4: *Lever type*

5: *Conduit – air*

6: *Communication*

7: *Option*

8: *Operating temp.*

Intrinsic Safety Parameters

Ui: 24V

Ii: 380mA

Pi: 1,4W

Ci: 2,2nF

Li: 3μH

FISCO Parameters

Ui: 17,5V

Ii: 380mA

Pi: 5,32W

Ci: 2,2nF

Li: 3μH

Degrees of protection (IP Code)

IP6X



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SPECIFIC CONDITIONS OF USE: YES as shown below:

POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

This warning is applicable for dust certification.