



# 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.:	<b>IECEx EPS 11.0002X</b>	Page 1 of 4	<b>Certificate history:</b>
Status:	<b>Current</b>	Issue No: 7	Issue 6 (2020-03-09)
Date of Issue:	2021-10-29		Issue 5 (2019-02-01)
Applicant:	<b>Rotork YTC Limited</b> 81, Hwanggeum-ro 89, beon-gil, Yangchon-eup Gimpo-si, Gyeonggi-do <b>Korea, Republic of</b>		Issue 4 (2016-10-25)
Equipment:	<b>YT-3400, YT-3450, YT-3410 Smart Valve Positioner</b>		Issue 3 (2014-08-06)
Optional accessory:			Issue 2 (2012-12-27)
Type of Protection:	<b>"db" and "tb"</b>		Issue 1 (2011-09-12)
Marking:	Ex db IIC T5/T6 Gb Ex tb IIIC T100°C/T85°C Db		Issue 0 (2011-09-01)

Approved for issue on behalf of the IECEx  
Certification Body:

Position:

Signature:  
(for printed version)

Date:

Ulrich Feike

Head of Certification

2021-10-29



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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.

Certificate issued by:

**Bureau Veritas Consumer Products Services Germany GmbH**  
**Businesspark A96**  
**86842 Türkheim**  
**Germany**





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Date of issue: 2021-10-29

Issue No: 7

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

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

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/EPS/ExTR11.0002/00  
DE/EPS/ExTR11.0002/03  
DE/EPS/ExTR11.0002/06

DE/EPS/ExTR11.0002/01  
DE/EPS/ExTR11.0002/04  
DE/EPS/ExTR11.0002/07

DE/EPS/ExTR11.0002/02  
DE/EPS/ExTR11.0002/05

### Quality Assessment Report:

DE/EPS/QAR11.0002/11



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The YT-3400 Valve Positioner controls valve stroke, according to an input signal of 4-20 mA, which comes from a controller. The enclosure consists of a flameproof part with electronics and a pneumatic part with a pilot valve inside. YT-3450 model has a stainless steel enclosure. Ingress protection fulfills IP66 and NEMA 4X requirements

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

Hazardous area with carbon disulfide shall be excluded.

The ambient temperature range is from -30°C to +70°C for temperature class T6 (T85°C) or -30°C to +80°C for temperature class T5 (T100°C).

With silicone gasket material the minimum ambient temperature can be extended to -40°C.



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

Issue No 7: Change of minimum ambient temperature to -30°C with NBR gasket