



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 EPS 11.0002X issue No.:2
Status: **Current**
Date of Issue: **2012-12-27** Page 1 of 4

Certificate history:
Issue No. 2 (2012-12-27)
Issue No. 1 (2011-9-12)
Issue No. 0 (2011-9-1)

Applicant: **Young Tech. co., Ltd**
#3022, Hagun-Ri, Yangchon-Myeon, Gimpo-Si, Gyeonggi-Do, Korea
Korea, Republic of

Electrical Apparatus: **YT-3400 Smart Valve Positioner**
Optional accessory: YT-3450 stainless steel model

Type of Protection: **"db" and "tb"**

Marking: Ex db IIC T5/T6
Ex tb IIIC T85°C/T100°C

Approved for issue on behalf of the IECEx Certification Body: Achim Hänchen

Position: Head of Certification

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](http://www.iecex.com).

Certificate issued by:

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





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Manufacturer: **Young Tech. co., Ltd**
#3022, Hagun-Ri, Yangchon-Myeon, Gimpo-Si, Gyeonggi-Do, Korea
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 electrical 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 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

IEC 60079-31 : 2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition: 1

*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:

[DE/EPS/ExTR11.0002/00](#)

[DE/EPS/ExTR11.0002/01](#)

[DE/EPS/ExTR11.0002/02](#)

Quality Assessment Report:

[DE/EPS/QAR11.0002/00](#)

[DE/EPS/QAR11.0002/01](#)



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Schedule

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- 20mA, which comes from a controller. The enclosure consists of a flameproof part with electronics and a pneumatic part with a pilot valve inside.

CONDITIONS OF CERTIFICATION: YES as shown below:

Hazardous area with carbon disulfide shall be excluded.
The ambient temperature range is from -20°C to +70°C for temperature class T6 (T85°C) or -20°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 1: Addition of stainless steel model YT-3450

Issue 2: Extension of minimum ambient temperature range to -40°C for silicone gasket material