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: 4	Certificate history:
Status:	Current	Page 1 of 4	Issue No. 4 (2016-10-25)
Date of Issue:	2016-10-25		Issue No. 3 (2014-08-06)
Applicant:	Young Tech. co., Ltd 81, Hwanggeum-ro 89, beon-gil, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea Korea, Republic of		Issue No. 2 (2012-12-27) Issue No. 1 (2011-09-12) Issue No. 0 (2011-09-01)
Equipment:	YT-3400, YT3450, YT-3410 Smart Valve Positioner		
Optional accessory:			
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: Dieter Zitzmann

Position: Certification manager

Signature:
(for printed version)

Date: 2016-10-25

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:

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

以下內容屬實

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Manufacturer:	Young Tech. co., Ltd 81, Hwanggeum-ro 89, beon-gil, Yangchon-eup, 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

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/ExTR11.0002/04

Quality Assessment Report:

DE/EPS/QAR11.0002/05

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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 4-20 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.

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 No. 1: Addition of stainless steel model YT-3450

Issue No. 2: Extension of minimum ambient temperature range to -40°C for silicone gasket material

Issue No. 3: Change of QAR

Issue No. 4: Update of standard revisions + Addition of YT-3410 model