



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 TUVSPS 07.0003X issue No.: 0 History:

Status: Current

Date of Issue: 2007-07-06 Page 1 of 3

Applicant: Young Tech Co., Ltd.
#662-8, Pungmu-dong, Kimpo-City,
415-070 Kyeonggi-do, Korea
Korea, Republic of

Electrical Apparatus: Positioner YT-2300
Optional accessory:

Type of Protection: Intrinsically Safety

Marking: Ex ia IIC T5/T6

Approved for issue on behalf of the IECEx
Certification Body:

Sigfried Mösch

Position: Head of Certification Body

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:

TÜV SÜD Product Service GmbH
Head of the Certification Body
TÜV SÜD Product Service GmbH
Ridlerstr. 65
D-80339 Munich
Germany



Product Service



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Positioner YT-2300

The positioner YT-2300 is an intrinsically safe smart valve positioner that controls valve stroke.

Main Power, Terminal IN+ and IN-

$U_i = 28V$

$I_i = 93mA$

$P_i = 0,65W$

$L_i = 620\mu H$

$C_i = 24nF$

PTM Power, Terminal Out+ and Out

$U_i = 28V$

$I_i = 47mA$

$P_i = 0,32W$

$L_i = 530\mu H$

$C_i = 80nF$

CONDITIONS OF CERTIFICATION: YES as shown below:

Ambient temperature

$-40^{\circ}C < T_a < +60^{\circ}C$ for T5

$-40^{\circ}C < T_a < +40^{\circ}C$ for T6

Apparatus does not meet the requirements of the dielectric strength according to 6.3.12 of IEC 60079-11:2006, fifth edition.



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Manufacturer: **Young Tech Co., Ltd.**
#662-8, Pungmu-dong, Kimpo-City,
415-070 Kyeonggi-do, Korea
Korea, Republic of

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 manufacture'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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*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/TUVSPS/ExTR07.0003/00](#)

Quality Assessment Report:

[DE/TUVSPS/QAR07.0003/00](#)