



(1) EC Type Examination Certificate

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 94/9/EC**

(3) EC Type Examination Certificate Number:

TPS 07 ATEX 1 292 X

(4) Equipment: YT-2300

(5) Manufacturer: Young Tech Co., Ltd.

(6) Address: #662-8, Pungmu-Dong, Kimpo-City
415-070 Keonggi-Do, Korea

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) TÜV SÜD Product Service notified body No. 0123 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive.
The examination and test results are recorded in the confidential report SF69411T, Rev. 1.0.

(9) Compliance with the Essential Health and Safety Requirements has been assured in compliance with:

EN 60079-0: 2004

EN 60079-11: 2007

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:

 II 2G Ex ia IIC T5/T6

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Schedule

(13)

(14) **EC Type Examination Certificate TPS 07 ATEX 1 292 x**

(15) Description of equipment:

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

Electrical data:

Main Power, Terminal IN+ and IN-

Ui = 28V

Ii = 93mA

Pi = 0,65W

Li = 620µH

Ci = 24nF

PTM Power, Terminal Out+ and Out-

Ui = 28V

Ii = 47mA

Pi = 0,32W

Li = 530µH

Ci = 80nF

(16) Test report: YS69851T, Rev. 1.0

(17) Special conditions for safe use:

- Ambient temperature
-40°C < Ta < +60°C for T5
-40°C < Ta < +40°C for T6
- Apparatus does not meet the requirements of the dielectric strength according to 6.3.12 of EN 60079-11:2007.

(18) Essential health and safety requirements:

met by standards

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EC Type Examination Certificate without signature and official stamp shall not be valid.

The certificates may be circulated only without alteration.

Extracts or alterations are subject to approval by TÜV SÜD Product Service.

In case of dispute, the German text shall prevail.

The document is internally administrated under the following number: EX5 07 05 63478 001