

EU - Type Examination Certificate

- (1)
- (2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**
- (3) EU - Type Examination Certificate Number

EPS 11 ATEX 1 308 X

Revision 4

- (4) Equipment: YT-3400/YT-3450/YT3410 Series Smart Positioner
- (5) Manufacturer: Young Tech Co., Ltd.
- (6) Address: 81, Hwanggeum-ro 89, beon-gil, Yangchon-eup,
Gimpo-si, Gyeonggi-do, Korea
- (7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.
- (8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, 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 documentation under the reference number 10TH0511.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:2012/A11:2013

EN 60079-1:2014

EN 60079-31:2014

- (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 annex to this certificate.
- (11) This EU - Type Examination Certificate relates only to the design and examination of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.
- (12) The marking of the equipment shall include the following:



II 2G Ex db IIC T5/T6

II 2D Ex tb IIIC T85°C/T100°C



Certification department of explosion protection

Nuremberg, 2016-10-25



D. Zitzmann





(13)

Annex

(14) EU - Type Examination Certificate EPS 11 ATEX 1 308 X

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(15) Description of equipment:

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. YT-3410 is similar construction as YT-3400 with different internal construction

Electrical data:

Voltage: 1-5Vdc (option 10-30Vdc)

Current: 4-20 mA

(16) Reference number: 10TH0511

(17) Special conditions for safe use:

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.

Hazardous area with carbon disulfide shall be excluded.

(18) Essential health and safety requirements:

Met by compliance with standards.

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Nuremberg, 2016-10-25



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