



**BUREAU
VERITAS**



(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

EPS 11 ATEX 1 308 X

Issue No. 2

(4) Equipment: YT-3400/YT-3450 Series Smart Positioner

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

(6) Address: #3022, Hagun-Ri, Yangchon-Myeon, Gimpo-Si, Gyeonggi-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) Bureau Veritas Consumer Product Services Germany GmbH, Notified Body No. 2004 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 10TH0511.

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

EN 60079-0:2009

EN 60079-1:2007

EN 60079-31:2009

(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 db IIC T5/T6
II 2D Ex tb IIIC T85°C/T100°C

Certification department of explosion protection

Türkheim, November 27, 2011

A. Hänchen

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Certificates without signature are void. This certificate is allowed to be distributed only if not modified.
Extracts or modifications must be authorized by Bureau Veritas Consumer Product Services Germany GmbH.
This certificate is internally administrated under the following number: 11-049



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(13)

Annexe

(14) **EC Type Examination Certificate EPS 11 ATEX 1 308 X** Issue No. 2

(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.

Electrical data:

Voltage: 1-5Vdc (option 10-30Vdc)
Current: 4-20 mA

(16) Test report: 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.

The apparatus shall be marked with a warning marking according to 29.11 g) of EN 60079-0:2009.

Hazardous area with carbon disulfide shall be excluded.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Türkheim, November 27, 2012

A. Hänchen

