

No. 2011-2454-114



# 안전인증서

## Certificate of Safety

**YOUNG TECH Co., Ltd.**

3022, Hagun-ri, Yangchon-myeon, Gimpo-si, Gyeonggi-do, Korea

*The following product manufactured by the above company has been authorized for the use of safety certification mark as the product has satisfied the safety and health requirements under Article 34 of OCCUPATIONAL SAFETY AND HEALTH ACT and paragraph 4 of Article 58-4 of ENFORCEMENT ORDINANCE OF the same ACT.*

### Electrical Equipment

Smart Positioner

### Model (Marking) / Certificate No.

YT-2550 (Ex ia IIC T5/T6, Ex iaD IIIC T100°C/T85°C) / 11-KB2BO-0165X

### Applied standards

Announcement No. 2010-36 of Ministry of Employment and Labor

### Conditions of Certification

- 1. Manufacturing location(s)** : This certificate is only valid for the specified products produced at '3022, Hagun-ri, Yangchon-myeon, Gimpo-si, Gyeonggi-do, Korea'.
- 2. Description of equipment**
  - Input Main 4~20mA+HART(option), Output PTM 4~20mA(option)
  - Main :  $U_i=28V$ ,  $I_i=93mA$ ,  $P_i=651mW$ ,  $L_i=0.3mH$ ,  $C_i=0.6nF$ ,  $C_{L\_GND}=2.2nF$
  - PTM :  $U_i=28V$ ,  $I_i=93mA$ ,  $P_i=651mW$ ,  $L_i=0.3mH$ ,  $C_i=0.6nF$ ,  $C_{L\_GND}=2.2nF$
  - Ambient Temperature :  $-40^{\circ}C \sim +60^{\circ}C$ (T5/T100°C),  $-40^{\circ}C \sim +40^{\circ}C$ (T6/T85°C)
- 3. Scope of certification** : This certificate is only valid for the models as above.
- 4. Special conditions for safe use**
  - Do not use in Zone 0 (EPL Gb)
  - Risk of higher impact than 2J shall be avoided.
  - Refer to instructions for the installation.
- 5. Details of certificate changes**
  - 1st Revision(2012.10.24) : This certificate is reissued for the changes of model and conditions of certification.
- 6. Details of the others** : None

Date of Issue : 2011-8-24

**한국산업기술시험원장**

**KOREA TESTING LABORATORY**

